

ALESSANDRO BARGE

CURRICULUM VITAE

Maggio 2021

Dipartimento di Scienza e Tecnologia del Farmaco
Università di Torino
Via P. Giuria, 9
10125 Torino – Italy
Phone: +39-011-6707179
mail: alessandro.barge@unito.it
https://www.dstf.unito.it/do/docenti.pl/Show?_id=abarge#tab-profilo

Professore di II fascia presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università di Torino, SSD CHIM/06 (dal 2017).

Dottore di Ricerca in Scienze Bio-Chimiche, Università di Torino, 2000

Studi e posizioni professionele:

Dal 01/11/2017 ad oggi: **Professore di II fascia** presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università di Torino, SSD CHIM/06 (Chimica Organica).

dal 01/11/2005 al 31/10/2017: **Ricercatore Universitario** a tempo Indeterminato presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università di Torino, SSD CHIM/06 (Chimica Organica).

01/03/2005 – 31/10/2005: **Tecnico cat. C** presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università di Torino

01/11/2003 – 28/02/2005: **Borsa di addestramento alla ricerca** presso Dipartimento di Chimica I.F.M., Università di Torino.

01/11/2001 – 31/10/2003: **Borsa Post-Dottorato** presso Dipartimento di Chimica I.F.M., Università di Torino

01/11/1999 – 31/10/2001: **Assegno di ricerca** presso Dipartimento di Chimica I.F.M., Università di Torino

1991 – 1992: **Tecnico di laboratorio** (trimestrale) presso Dipartimento di Scienza e Tecnologia del Farmaco (attività svolta presso il laboratorio studenti di analisi del farmaco I)

1989: **Operaio specializzato** trimestrale presso Dipartimento di Scienza e Tecnologia del Farmaco

2000: **Dottorato di Ricerca** in Scienze Biochimiche, Università di Torino

1995: **Laurea in Chimica**, Università di Torino, (110/110 e lode)

Attività professionali organizzative:

2019: **Membro** del Comitato Organizzatore del XXXIX Convegno Nazionale della Divisione di Chimica Organica della Società Chimica Italiana 8-12 settembre 2019 (<http://www.cdco2019.unito.it/it/content/comitato-organizzatore>)

2016: **Organizzazione** del convegno GENP 2016, Torino, 31-5/1-6-16

2005: **Coordinamento della Segreteria Organizzativa** del congresso “4th Conference on Field Cycling Relaxometry”, Villa Gualino, Torino, 26-28 maggio 2005

2005: **Responsabile della scuola europea** “EMIL (European Molecular Imaging Laboratories) Technological Training Platform 2: Imaging Probes Preparation” 18-22 aprile 2005 e docente di tecniche di separazione, in particolare HPLC, nella la medesima scuola

2003: **Coordinamento della Segreteria Organizzativa** del congresso “3rd Conference on Field Cycling Rel. xometry”, Villa Gualino, Torino, 23-25 maggio 2003

2001: **Coordinamento della Segreteria Organizzativa** del congresso “2nd Conference on Field Cycling Relaxometry”, Villa Gualino, Torino, 01-03 giugno 2001

2000: **Coordinamento della Segreteria Organizzativa** del congresso “Shift and Relaxation Probes”, Bioindustry Park del Canavese, Colletterto Giacosa (TO), agosto 2000

Collaborazioni professionali con Aziende:

2019 ad oggi: **Responsabile del servizio rivolto alle aziende del territorio** (attività commerciale conto terzi) del laboratorio di Chimica Organica del Dipartimento di Scienza e Tecnologia del Farmaco;

2017 ad oggi: **Responsabile della Collaborazione Scientifica** con Candioli Farmaceutici e ACEL Pharma (organizzata attraverso **attività commerciale** – cd “conto terzi”);

2015 al 2017: **Responsabile della Collaborazione Scientifica** con La Fondazione IRCCS Istituto Neurologico Carlo Besta di Milano;

2011 ad oggi: **Responsabile della Collaborazione Scientifica** con Fluody srl (articolata anche mediante attività commerciale – cd “conto terzi”) per la sintesi e la caratterizzazione di molecole di interesse farmaceutico o diagnostico;

2008 al 2011: Progetto di ricerca affidato da Merk Serono inerente lo studio delle metodiche utili alla modifica strutturale di molecole di interesse aziendale. Due contratti di prestazione d'opera tra

l'azienda e il Dipartimento di Scienza e Tecnologia del Farmaco - **responsabile scientifico accademico**;

1996 ad oggi: Collaborazione Scientifica con Bracco Imaging SpA volta alla sintesi e allo sviluppo di processo di mezzi di contrasto da utilizzarsi nelle diverse tecniche diagnostica per immagini (articolata anche attraverso **convenzioni per attività di ricerca** con il Dipartimento di Scienza e Tecnologia del Farmaco), testimoniata anche da diversi **brevetti** depositati insieme all'azienda.

Collaborazione professionali con Enti Pubblici

2021: **Referente scientifico** della convenzione con la Direzione Centrale Anticrimine della Polizia di Stato - Servizio Polizia Scientifica, ex accordo quadro del 21-06-2017

2019: Nomina di **Ausiliario di Polizia Giudiziaria** (incarico del 30/04/2019) per consulenza tecnico-scientifica;

2019: Nomina di **Ausiliario di Polizia Giudiziaria**.(incarico del 23/09/2019) per consulenza tecnico-scientifica;

2019: **Consulente tecnico per la Procura della Repubblica** presso il Tribunale di Torino (incarico del 14/01/2019);

2018: **Consulente tecnico per la Procura della Repubblica** presso il Tribunale di Asti (incarico del 24-12-2018);

2016 ad oggi: **Responsabile della Collaborazione Scientifica** con Case Western Reserve University, Cleveland (Ohio), Prof. A. Exner

Recenti progetti finanziati

2021: “Waste of industrial Hemp biomass for nEw pharMaceuticals Production (WHEMP)”, PRIN 2020, in fase di valutazione (**Responsabile di unità**)

2020: “Divide - Diamond-based Virus Detector: un approccio rapido e sensibile per la rilevazione in situ di SARS-Cov-2”, FISR 2020, domanda n. FISR2020IP_01073 in fase di valutazione (**Coordinatore**)

2018-oggi: “Cannabis sativa L. & UniTO: le competenze accademiche al servizio della comunità nel chiarirne i potenziali benefici” progetto finanziato da CRT (**Coordinatore**);

2015-2018: Nanotecnologie “green” per lo sviluppo di nanosistemi innovativi per la prevenzione ed il trattamento di malattie neurodegenerative – progetto finanziato da Fondazione CRT (**Responsabile di Unità**)

2013-2016: Associazione Italiana per la Ricerca sul Cancro (MFAG 2012, MFAG-13048 - **Responsabile di Unità**);

2013-2015: TAKTIC - Project ID: 315746 - FP7-SME. Translational Kinase Tumour Inhibitor discovery Consortium;

Attività amministrative e gestionali presso l'Università degli Studi di Torino

2020: Membro dell'editorial board di "nanomaterials"
<https://www.mdpi.com/journal/nanomaterials/editors>

2017 – oggi: **Presidente del Comitato Scientifico** per la gestione del Servizio NMR Open Access dell'Università di Torino (servizio operante su strumentazione acquisita con fondi della Compagnia di San Paolo – **Grandi Strumentazioni**)

2015 - 2018 **membro della Commissione per la Ricerca** del Dipartimento di Scienza e Tecnologia del Farmaco

2013 - 2015 **Membro della Giunta del Dipartimento** di Scienza e Tecnologia del Farmaco

2012 - 2017: **componente eletto della Commissione Ricerca Scientifica del Senato Accademico** in rappresentanza del personale Ricercatore

2012: **Componente della Commissione Congiunta per la stesura dei regolamenti attuativi dello Statuto** – sottocommissione Regolamenti organi periferici

Produzione Scientifica, pubblicazioni su rivista:

Indici bibliometrici (Scopus 14/05/2021): n. pubblicazioni 105, n. citazioni 3511, h-index: 30

Gunjević, V., Grillo, G., Carnaroglio, D., Binello, A., Barge, A., Cravotto, G.

Selective recovery of terpenes, polyphenols and cannabinoids from Cannabis sativa L. inflorescences under microwaves

(2021) Industrial Crops and Products, 162, art. no. 113247, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100443430&doi=10.1016%2fj.indcrop.2021.113247&partnerID=40&md5=96cb86f9168e2b2394742bd84ac5a927)

[85100443430&doi=10.1016%2fj.indcrop.2021.113247&partnerID=40&md5=96cb86f9168e2b2394742bd84ac5a927](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100443430&doi=10.1016%2fj.indcrop.2021.113247&partnerID=40&md5=96cb86f9168e2b2394742bd84ac5a927)

Mariani, A., Bonomo, M., Gao, X., Centrella, B., Nucara, A., Buscaino, R., Barge, A., Barbero, N., Gontrani, L., Passerini, S.

The unseen evidence of Reduced Ionicity: The elephant in (the) room temperature ionic liquids

(2021) Journal of Molecular Liquids, 324, art. no. 115069, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098683859&doi=10.1016%2fj.molliq.2020.115069&partnerID=40&md5=0ef743e76b5de7477a9e9cb0c6910113)

[85098683859&doi=10.1016%2fj.molliq.2020.115069&partnerID=40&md5=0ef743e76b5de7477a9e9cb0c6910113](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098683859&doi=10.1016%2fj.molliq.2020.115069&partnerID=40&md5=0ef743e76b5de7477a9e9cb0c6910113)

Arpicco, S., Bartkowski, M., Barge, A., Zonari, D., Serpe, L., Milla, P., Dosio, F., Stella, B., Giordani, S.

Effects of the Molecular Weight of Hyaluronic Acid in a Carbon Nanotube Drug Delivery Conjugate

(2020) Frontiers in Chemistry, 8, art. no. 578008, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098257235&doi=10.3389%2ffchem.2020.578008&partnerID=40&md5=2c8ff9f5f4530e6ee457e1c0dc6ee835)

[85098257235&doi=10.3389%2ffchem.2020.578008&partnerID=40&md5=2c8ff9f5f4530e6ee457e1c0dc6ee835](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098257235&doi=10.3389%2ffchem.2020.578008&partnerID=40&md5=2c8ff9f5f4530e6ee457e1c0dc6ee835)

Menzio, J., Binello, A., Barge, A., Cravotto, G.

Highly-efficient caffeine recovery from green coffee beans under ultrasound-assisted SC-CO₂ extraction

(2020) *Processes*, 8 (9), art. no. 1062, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090770008&doi=10.3390%2fpr8091062&partnerID=40&md5=8ee612a5beeb9ab1208b55752fadcd32)

[85090770008&doi=10.3390%2fpr8091062&partnerID=40&md5=8ee612a5beeb9ab1208b55752fadcd32](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090770008&doi=10.3390%2fpr8091062&partnerID=40&md5=8ee612a5beeb9ab1208b55752fadcd32)

Barge, A., Baricco, F., Cravotto, G., Fretta, R., Lattuada, L.

Mechanochemistry Applied to the Synthesis of X-ray Contrast Agent

(2020) *ACS Sustainable Chemistry and Engineering*, 8 (34), pp. 12825-12830.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091008717&doi=10.1021%2facssuschemeng.0c02928&partnerID=40&md5=bd441ab776e829008d5897f8f9d657c5)

[85091008717&doi=10.1021%2facssuschemeng.0c02928&partnerID=40&md5=bd441ab776e829008d5897f8f9d657c5](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091008717&doi=10.1021%2facssuschemeng.0c02928&partnerID=40&md5=bd441ab776e829008d5897f8f9d657c5)

Musio, B., Ragone, R., Todisco, S., Rizzuti, A., Latronico, M., Mastrorilli, P., Pontrelli, S., Intini, N., Scapicchio, P., Triggiani, M., Di Noia, T., Acquotti, D., Airoidi, C., Assfalg, M., Barge, A., Bateman, L., Benevelli, F., Bertelli, D., Bertocchi, F., Bieliauskas, A., Borioni, A., Caligiani, A., Callone, E., Čamra, A., Cesare Marincola, F., Chalasani, D., Consonni, R., Dambruoso, P., Davalli, S., David, T., Diehl, B., Donarski, J., Gil, A.M., Gobetto, R., Goldoni, L., Hamon, E., Harwood, J.S., Kobřlová, A., Longobardi, F., Luisi, R., Mallamace, D., Mammi, S., Martin-Biran, M., Mazzei, P., Mele, A., Milone, S., Molero Vilchez, D., Mulder, R.J., Napoli, C., Ragno, D., Randazzo, A., Rossi, M.C., Rotondo, A., Šačkus, A., Sáez Barajas, E., Schievano, E., Sitaram, B., Stevanato, L., Takis, P.G., Teipel, J., Thomas, F., Torregiani, E., Valensin, D., Veronesi, M., Warren, J., Wist, J., Zailer-Hafer, E., Zuccaccia, C., Gallo, V.

A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy

(2020) *Talanta*, 214, art. no. 120855, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079684819&doi=10.1016%2fj.talanta.2020.120855&partnerID=40&md5=2bd3550c57ae25a9910cdedf2568714e)

[85079684819&doi=10.1016%2fj.talanta.2020.120855&partnerID=40&md5=2bd3550c57ae25a9910cdedf2568714e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079684819&doi=10.1016%2fj.talanta.2020.120855&partnerID=40&md5=2bd3550c57ae25a9910cdedf2568714e)

Bosca, F., Corazzari, I., Foglietta, F., Canaparo, R., Durando, G., Pastero, L., Arpicco, S., Dosio, F., Zonari, D., Cravotto, G., Tagliapietra, S., Serpe, L., Turci, F., Barge, A.

SWCNT-porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications

(2020) *RSC Advances*, 10 (37), pp. 21736-21744.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086801510&doi=10.1039%2fd0ra03944f&partnerID=40&md5=75c73831edb1d9cfbd2ea7f0ddb91045)

[85086801510&doi=10.1039%2fd0ra03944f&partnerID=40&md5=75c73831edb1d9cfbd2ea7f0ddb91045](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086801510&doi=10.1039%2fd0ra03944f&partnerID=40&md5=75c73831edb1d9cfbd2ea7f0ddb91045)

Binello, A., Grillo, G., Barge, A., Allegrini, P., Ciceri, D., Cravotto, G.

A cross-flow ultrasound-assisted extraction of curcuminoids from *Curcuma longa* L.: Process design to avoid degradation

(2020) *Foods*, 9 (6), art. no. 743, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087817366&doi=10.3390%2ffoods9060743&partnerID=40&md5=e0cf0d31aa9cc2bd9f35b23fc90997ae)

[85087817366&doi=10.3390%2ffoods9060743&partnerID=40&md5=e0cf0d31aa9cc2bd9f35b23fc90997ae](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087817366&doi=10.3390%2ffoods9060743&partnerID=40&md5=e0cf0d31aa9cc2bd9f35b23fc90997ae)

Basso, L., Sacco, M., Bazzanella, N., Cazzanelli, M., Barge, A., Orlandi, M., Bifone, A., Miotello, A.

Laser-synthesis of NV-centers-enriched nanodiamonds: Effect of different nitrogen sources

(2020) *Micromachines*, 11 (6), art. no. 579, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087731766&doi=10.3390%2fMI11060579&partnerID=40&md5=551225b709a7e89773a2447cd761a348)

[85087731766&doi=10.3390%2fMI11060579&partnerID=40&md5=551225b709a7e89773a2447cd761a348](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087731766&doi=10.3390%2fMI11060579&partnerID=40&md5=551225b709a7e89773a2447cd761a348)

Basso, L., Sacco, M., Bazzanella, N., Cazzanelli, M., Barge, A., Orlandi, M., Bifone, A., Miotello, A.

Laser-synthesis of NV-centers-enriched nanodiamonds: Effect of different nitrogen sources

(2020) *Land*, 9 (6), art. no. 196, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087523850&doi=10.3390%2fLAND9060196&partnerID=40&md5=94d4e0c8f316e88749a79604ebba3b97)

[85087523850&doi=10.3390%2fLAND9060196&partnerID=40&md5=94d4e0c8f316e88749a79604ebba3b97](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087523850&doi=10.3390%2fLAND9060196&partnerID=40&md5=94d4e0c8f316e88749a79604ebba3b97)

Bosca, F., Foglietta, F., Gimenez, A., Canaparo, R., Durando, G., Andreana, I., Barge, A., Peira, E., Arpicco, S., Serpe, L., Stella, B.

Exploiting lipid and polymer nanocarriers to improve the anticancer sonodynamic activity of chlorophyll

(2020) *Pharmaceutics*, 12 (7), art. no. 605, pp. 1-21.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087363869&doi=10.3390%2fpharmaceutics12070605&partnerID=40&md5=28b530fe1132488872e0b3f287e26cee)

[85087363869&doi=10.3390%2fpharmaceutics12070605&partnerID=40&md5=28b530fe1132488872e0b3f287e26cee](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087363869&doi=10.3390%2fpharmaceutics12070605&partnerID=40&md5=28b530fe1132488872e0b3f287e26cee)

Sainas, S., Pippione, A.C., Giraud, A., Martina, K., Bosca, F., Rolando, B., Barge, A., Ducime, A., Federico, A., Grossert, S.J., White, R.L., Boschi, D., Lolli, M.L.

Regioselective N-Alkylation of Ethyl 4-Benzyloxy-1,2,3-triazolecarboxylate: A Useful Tool for the Synthesis of Carboxylic Acid Bioisosteres

(2019) *Journal of Heterocyclic Chemistry*, 56 (2), pp. 501-519.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057825680&doi=10.1002%2fjhet.3426&partnerID=40&md5=254df781020d66b8858b5c5fe3e8afaf)

[85057825680&doi=10.1002%2fjhet.3426&partnerID=40&md5=254df781020d66b8858b5c5fe3e8afaf](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057825680&doi=10.1002%2fjhet.3426&partnerID=40&md5=254df781020d66b8858b5c5fe3e8afaf)

Tagliapietra, S., Calcio Gaudino, E., Martina, K., Barge, A., Cravotto, G.

Microwave Irradiation in Micro- Meso-Fluidic Systems; Hybrid Technology has Issued the Challenge

(2019) *Chemical Record*, 19 (1), pp. 98-117.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060042689&doi=10.1002%2ftcr.201800057&partnerID=40&md5=3cc723c8d677f73b8ebf48c251782b1f>

Piccolo, F., Mino, L., Battiato, A., Ditalia Tchernij, S., Forneris, J., Martina, K., Sacco, M., Tagliapietra, S., Vittone, E., Olivero, P., Barge, A.

Synthesis and characterization of porphyrin functionalized nanodiamonds

(2019) *Diamond and Related Materials*, 91, pp. 22-28.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056240676&doi=10.1016%2fj.diamond.2018.11.001&partnerID=40&md5=a90f6e3361bed3e2ff6f5d1af57dc807>

Chirio, D., Peira, E., Sapino, S., Dianzani, C., Barge, A., Muntoni, E., Morel, S., Gallarate, M.
Stearoyl-chitosan coated nanoparticles obtained by microemulsion cold dilution technique

(2018) *International Journal of Molecular Sciences*, 19 (12), art. no. 3833, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057964124&doi=10.3390%2fijms19123833&partnerID=40&md5=87086192b4e418b44cf141a1f645ad00>

Boffa, L., Ghè, C., Barge, A., Muccioli, G., Cravotto, G.

Alkaloid profiles and activity in different *Mitragyna speciosa* strains

(2018) *Natural Product Communications*, 13 (9), pp. 1111-1116.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053268378&doi=10.1177%2f1934578x1801300904&partnerID=40&md5=9eda6897a716ce1542fd28f8e5ef59f7>

Bosca, F., Bielecki, P.A., Exner, A.A., Barge, A.

Porphyrin-Loaded Pluronic Nanobubbles: A New US-Activated Agent for Future Theranostic Applications

(2018) *Bioconjugate Chemistry*, 29 (2), pp. 234-240.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042404665&doi=10.1021%2facb.bioconjchem.7b00732&partnerID=40&md5=f980eb35403c283d9f1aef4d34956c1f>

Chirio, D., Peira, E., Battaglia, L., Ferrara, B., Barge, A., Sapino, S., Giordano, S., Dianzani, C., Gallarate, M.

Lipophilic prodrug of floxuridine loaded into solid lipid nanoparticles: In vitro cytotoxicity studies on different human cancer cell lines

(2018) *Journal of Nanoscience and Nanotechnology*, 18 (1), pp. 556-563.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051822685&doi=10.1166%2fjnn.2018.13964&partnerID=40&md5=03eec002baa8d1c17e5c0ad57df8bfc3>

Ieronimo, G., Palmisano, G., Maspero, A., Marzorati, A., Scapinello, L., Masciocchi, N., Cravotto, G., Barge, A., Simonetti, M., Ameta, K.L., Nicholas, K.M., Penoni, A.

A novel synthesis of N-hydroxy-3-aryloindoles and 3-aryloindoles

(2018) *Organic and Biomolecular Chemistry*, 16 (38), pp. 6853-6859.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054395502&doi=10.1039%2fc8OB01471J&partnerID=40&md5=dde291d0c8fac4ad2a4c54c184b66758)

[85054395502&doi=10.1039%2fc8OB01471J&partnerID=40&md5=dde291d0c8fac4ad2a4c54c184b66758](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054395502&doi=10.1039%2fc8OB01471J&partnerID=40&md5=dde291d0c8fac4ad2a4c54c184b66758)

Pippione, A.C., Sainas, S., Federico, A., Lupino, E., Piccinini, M., Kubbutat, M., Contreras, J.-M., Morice, C., Barge, A., Ducime, A., Boschi, D., Al-Karadaghi, S., Lolli, M.L.

N -Acetyl-3-aminopyrazoles block the non-canonical NF- κ B cascade by selectively inhibiting NIK
(2018) *MedChemComm*, 9 (6), pp. 963-968.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048935035&doi=10.1039%2fc8md00068a&partnerID=40&md5=40d0950b52d3bb7ac60401ae5e055d13)

[85048935035&doi=10.1039%2fc8md00068a&partnerID=40&md5=40d0950b52d3bb7ac60401ae5e055d13](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048935035&doi=10.1039%2fc8md00068a&partnerID=40&md5=40d0950b52d3bb7ac60401ae5e055d13)

Lovisari, M., Volpi, G., Marabello, D., Cadamuro, S., Deagostino, A., Diana, E., Barge, A., Gallicchio, M., Boscaro, V., Ghibaudi, E.

EPR and photophysical characterization of six bioactive oxidovanadium(IV) complexes in the conditions of in vitro cell tests

(2017) *Journal of Inorganic Biochemistry*, 170, pp. 55-62.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013800516&doi=10.1016%2fj.jinorgbio.2017.02.009&partnerID=40&md5=c8d4fc27d360ea2b14466b055778c859)

[85013800516&doi=10.1016%2fj.jinorgbio.2017.02.009&partnerID=40&md5=c8d4fc27d360ea2b14466b055778c859](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013800516&doi=10.1016%2fj.jinorgbio.2017.02.009&partnerID=40&md5=c8d4fc27d360ea2b14466b055778c859)

Pippione, A.C., Federico, A., Ducime, A., Sainas, S., Boschi, D., Barge, A., Lupino, E., Piccinini, M., Kubbutat, M., Contreras, J.-M., Morice, C., Al-Karadaghi, S., Lolli, M.L.

4-Hydroxy-: N -[3,5-bis(trifluoromethyl)phenyl]-1,2,5-thiadiazole-3-carboxamide: A novel inhibitor of the canonical NF- κ B cascade

(2017) *MedChemComm*, 8 (9), pp. 1850-1855.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029845664&doi=10.1039%2fc7md00278e&partnerID=40&md5=31b6a42d803375bf136da43fb41b15ad)

[85029845664&doi=10.1039%2fc7md00278e&partnerID=40&md5=31b6a42d803375bf136da43fb41b15ad](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029845664&doi=10.1039%2fc7md00278e&partnerID=40&md5=31b6a42d803375bf136da43fb41b15ad)

Annovazzi, L., Schiffer, D., Mellai, M., Gallarate, M., Battaglia, L., Chirio, D., Peira, E., Muntoni, E., Chegaev, K., Barge, A., Lanotte, M., Panciani, P., Capucchio, M.T., Valazza, A., Biasibetti, E., Riganti, C.

Solid lipid nanoparticles loaded with antitumor lipophilic prodrugs aimed to glioblastoma treatment: Preliminary studies on cultured cells

(2017) *Journal of Nanoscience and Nanotechnology*, 17 (5), pp. 3606-3614.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015684083&doi=10.1166%2fjnn.2017.13001&partnerID=40&md5=c10dbd5d8878e8e4f18d1d43e68f825f)

[85015684083&doi=10.1166%2fjnn.2017.13001&partnerID=40&md5=c10dbd5d8878e8e4f18d1d43e68f825f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015684083&doi=10.1166%2fjnn.2017.13001&partnerID=40&md5=c10dbd5d8878e8e4f18d1d43e68f825f)

Martina, K., Tagliapietra, S., Barge, A., Cravotto, G.

Combined Microwaves/Ultrasound, a Hybrid Technology

(2016) *Topics in Current Chemistry*, 374 (6), art. no. 79, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85003696209&doi=10.1007%2fs41061-016-0082-7&partnerID=40&md5=e940409347f434b5af0b518753a4418e>

Ferrante, T., Barge, A., Taramino, S., Oliaro-Bosso, S., Balliano, G.
4-Methylzymosterone and Other Intermediates of Sterol Biosynthesis from Yeast Mutants
Engineered in the ERG27 Gene Encoding 3-Ketosteroid Reductase
(2016) *Lipids*, 51 (9), pp. 1103-1113.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978792123&doi=10.1007%2fs11745-016-4173-6&partnerID=40&md5=cf188da1abe0b2211ed3eed962eb572e>

Peira, E., Chirio, D., Battaglia, L., Barge, A., Chegaev, K., Gigliotti, C.L., Ferrara, B., Dianzani, C., Gallarate, M.

Solid lipid nanoparticles carrying lipophilic derivatives of doxorubicin: preparation, characterization, and in vitro cytotoxicity studies

(2016) *Journal of Microencapsulation*, 33 (4), pp. 381-390.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84976448126&doi=10.1080%2f02652048.2016.1202342&partnerID=40&md5=beef57313558290001b99679d9954e10>

Bosca, F., Orio, L., Tagliapietra, S., Corazzari, I., Turci, F., Martina, K., Pastero, L., Cravotto, G., Barge, A.

Microwave-Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-Grafted Reduced-Graphene Oxide

(2016) *Chemistry - A European Journal*, 22 (5), pp. 1608-1613.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84970912927&doi=10.1002%2fchem.201503887&partnerID=40&md5=7a9c956fb1440b1974f162ed24d58b5c>

Bosca, F., Tagliapietra, S., Garino, C., Cravotto, G., Barge, A.

Extensive methodology screening of meso-tetrakis-(furan-2-yl)-porphyrin microwave-assisted synthesis

(2016) *New Journal of Chemistry*, 40 (3), pp. 2574-2581.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84960852720&doi=10.1039%2fc5nj02888d&partnerID=40&md5=0eb3bbb3502954ff8494de25ce67be2e>

Rotolo, L., Calcio Gaudino, E., Carnaroglio, D., Barge, A., Tagliapietra, S., Cravotto, G.

Fast multigram scale microwave-assisted synthesis of Vitamin E and C10-, C15-analogues under vacuum

(2016) *RSC Advances*, 6 (68), pp. 63515-63518.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978145301&doi=10.1039%2fc6ra13138g&partnerID=40&md5=05b1760734a0eb523a5f642a6d1391fb>

Tei, L., Barge, A., Galli, M., Pinalli, R., Lattuada, L., Gianolio, E., Aime, S.

Polyhydroxylated GdDTPA-derivatives as high relaxivity magnetic resonance imaging contrast agents

(2015) RSC Advances, 5 (91), pp. 74734-74743.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84941585232&doi=10.1039%2fc5ra15071j&partnerID=40&md5=7cc41fd8f2d580569c5db39754da0e2e)

[84941585232&doi=10.1039%2fc5ra15071j&partnerID=40&md5=7cc41fd8f2d580569c5db39754da0e2e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84941585232&doi=10.1039%2fc5ra15071j&partnerID=40&md5=7cc41fd8f2d580569c5db39754da0e2e)

Lawson, D., Barge, A., Terreno, E., Parker, D., Aime, S., Botta, M.

Optimizing the high-field relaxivity by self-assembling of macrocyclic Gd(iii) complexes

(2015) Dalton Transactions, 44 (11), pp. 4910-4917.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924301148&doi=10.1039%2fc4dt02971b&partnerID=40&md5=c3fec5b1ecb470e8fd1c07f04a285ef3)

[84924301148&doi=10.1039%2fc4dt02971b&partnerID=40&md5=c3fec5b1ecb470e8fd1c07f04a285ef3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924301148&doi=10.1039%2fc4dt02971b&partnerID=40&md5=c3fec5b1ecb470e8fd1c07f04a285ef3)

Cintas, P., Cravotto, G., Barge, A., Martina, K.

Interplay between mechanochemistry and sonochemistry

(2015) Topics in Current Chemistry, 369, pp. 239-284.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945174386&doi=10.1007%2f128_2014_623&partnerID=40&md5=65903bead4d0041468b4a0a3ecd76a2)

[84945174386&doi=10.1007%2f128_2014_623&partnerID=40&md5=65903bead4d0041468b4a0a3ecd76a2](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945174386&doi=10.1007%2f128_2014_623&partnerID=40&md5=65903bead4d0041468b4a0a3ecd76a2)

Calcio Gaudino, E., Tagliapietra, S., Martina, K., Barge, A., Lolli, M., Terreno, E., Lembo, D., Cravotto, G.

A novel SWCNT platform bearing DOTA and β -cyclodextrin units. "one shot" multidecoration under microwave irradiation

(2014) Organic and Biomolecular Chemistry, 12 (26), pp. 4708-4715.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902263709&doi=10.1039%2fc4ob00611a&partnerID=40&md5=bc8fce790f3072683eacd1b58ae610f5)

[84902263709&doi=10.1039%2fc4ob00611a&partnerID=40&md5=bc8fce790f3072683eacd1b58ae610f5](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902263709&doi=10.1039%2fc4ob00611a&partnerID=40&md5=bc8fce790f3072683eacd1b58ae610f5)

Barge, A., Caporaso, M., Cravotto, G., Martina, K., Tosco, P., Aime, S., Carrera, C., Gianolio, E., Pariani, G., Corpillo, D.

Design and synthesis of a γ 1 β 8- cyclodextrin oligomer: A new platform with potential application as a dendrimeric multicarrier

(2013) Chemistry - A European Journal, 19 (36), pp. 12086-12092.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84883232243&doi=10.1002%2fchem.201301215&partnerID=40&md5=a0b46bf3bc1762afaf4550c1ecc53a5b)

[84883232243&doi=10.1002%2fchem.201301215&partnerID=40&md5=a0b46bf3bc1762afaf4550c1ecc53a5b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84883232243&doi=10.1002%2fchem.201301215&partnerID=40&md5=a0b46bf3bc1762afaf4550c1ecc53a5b)

Alexandru, L., Pizzale, L., Conte, L., Barge, A., Cravotto, G.

Microwave-assisted extraction of edible Cicerbita alpina shoots and its LC-MS phenolic profile

(2013) Journal of the Science of Food and Agriculture, 93 (11), pp. 2676-2682.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880157369&doi=10.1002%2fjfsfa.6082&partnerID=40&md5=7b1fbef71213912f0fdc26281ca74805)

[84880157369&doi=10.1002%2fjfsfa.6082&partnerID=40&md5=7b1fbef71213912f0fdc26281ca74805](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880157369&doi=10.1002%2fjfsfa.6082&partnerID=40&md5=7b1fbef71213912f0fdc26281ca74805)

Sgarbossa, S., Diana, E., Marabello, D., Deagostino, A., Cadamuro, S., Barge, A., Laurenti, E., Gallicchio, M., Boscaro, V., Ghibaudi, E.

Synthesis, characterization and cell viability test of six vanadyl complexes with acetylacetonate derivatives

(2013) *Journal of Inorganic Biochemistry*, 128, pp. 26-37.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880872883&doi=10.1016%2fj.jinorgbio.2013.07.015&partnerID=40&md5=0907f80a23c370bd5cc9c5da500dd610)

[84880872883&doi=10.1016%2fj.jinorgbio.2013.07.015&partnerID=40&md5=0907f80a23c370bd5cc9c5da500dd610](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880872883&doi=10.1016%2fj.jinorgbio.2013.07.015&partnerID=40&md5=0907f80a23c370bd5cc9c5da500dd610)

Toppino, A., Bova, M.E., Crich, S.G., Alberti, D., Diana, E., Barge, A., Aime, S., Venturello, P., Deagostino, A.

A carborane-derivative "click" reaction under heterogeneous conditions for the synthesis of a promising lipophilic MRI/GdBNCT agent

(2013) *Chemistry - A European Journal*, 19 (2), pp. 721-728.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871954711&doi=10.1002%2fchem.201201634&partnerID=40&md5=3e8e6de59855c8b4096a063fd0714d51)

[84871954711&doi=10.1002%2fchem.201201634&partnerID=40&md5=3e8e6de59855c8b4096a063fd0714d51](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871954711&doi=10.1002%2fchem.201201634&partnerID=40&md5=3e8e6de59855c8b4096a063fd0714d51)

Orio, L., Alexandru, L., Cravotto, G., Mantegna, S., Barge, A.

UAE, MAE, SFE-CO₂ and classical methods for the extraction of *Mitragyna speciosa* leaves

(2012) *Ultrasonics Sonochemistry*, 19 (3), pp. 591-595.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84855290083&doi=10.1016%2fj.ultsonch.2011.10.001&partnerID=40&md5=dd93deb6ebf564885f7e4fa5f121e989)

[84855290083&doi=10.1016%2fj.ultsonch.2011.10.001&partnerID=40&md5=dd93deb6ebf564885f7e4fa5f121e989](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84855290083&doi=10.1016%2fj.ultsonch.2011.10.001&partnerID=40&md5=dd93deb6ebf564885f7e4fa5f121e989)

Geninatti-Crich, S., Alberti, D., Szabo, I., Deagostino, A., Toppino, A., Barge, A., Ballarini, F., Bortolussi, S., Bruschi, P., Protti, N., Stella, S., Altieri, S., Venturello, P., Aime, S.

MRI-guided neutron capture therapy by use of a dual gadolinium/boron agent targeted at tumour cells through upregulated low-density lipoprotein transporters

(2011) *Chemistry - A European Journal*, 17 (30), pp. 8479-8486.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79960316458&doi=10.1002%2fchem.201003741&partnerID=40&md5=659125e26352fe946cd5b3366e4443be)

[79960316458&doi=10.1002%2fchem.201003741&partnerID=40&md5=659125e26352fe946cd5b3366e4443be](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79960316458&doi=10.1002%2fchem.201003741&partnerID=40&md5=659125e26352fe946cd5b3366e4443be)

Lattuada, L., Barge, A., Cravotto, G., Giovenzana, G.B., Teid, L.

The synthesis and application of polyamino polycarboxylic bifunctional chelating agents

(2011) *Chemical Society Reviews*, 40 (5), pp. 3019-3049.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79954627459&doi=10.1039%2fc0cs00199f&partnerID=40&md5=71126674763f1f0ba739dd525eb38bfb)

[79954627459&doi=10.1039%2fc0cs00199f&partnerID=40&md5=71126674763f1f0ba739dd525eb38bfb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-79954627459&doi=10.1039%2fc0cs00199f&partnerID=40&md5=71126674763f1f0ba739dd525eb38bfb)

Barge, A., Tagliapietra, S., Binello, A., Cravotto, G.

Click chemistry under microwave or ultrasound irradiation

(2011) *Current Organic Chemistry*, 15 (2), pp. 189-203.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959805650&doi=10.2174%2f138527211793979826&partnerID=40&md5=78dfd4787445ed0373326f1a0e40b5fb>

Cravotto, G., Bonrath, W., Tagliapietra, S., Speranza, C., Gaudino, E.C., Barge, A.

Intensification of organic reactions with hybrid flow reactors

(2010) *Chemical Engineering and Processing: Process Intensification*, 49 (9), pp. 930-935.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957307718&doi=10.1016%2fj.cep.2010.07.004&partnerID=40&md5=831fc4231795509ffe743c3a897176b7>

3a897176b7

Tei, L., Barge, A., Geninatti Crich, S., Pagliarin, R., Negri, V., Ramella, D., Cravotto, G., Aime, S.
Target visualization by MRI using the avidin/biotin amplification route: Synthesis and testing of a biotin-Gd-DOTA monoamide trimer

(2010) *Chemistry - A European Journal*, 16 (27), pp. 8080-8087.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77954736331&doi=10.1002%2fchem.201000508&partnerID=40&md5=d8fc7be3af24b77821fe837a33dd0c49>

a33dd0c49

Tei, L., Mazooz, G., Shellef, Y., Avni, R., Vandoorne, K., Barge, A., Kalchenko, V., Dewhirst, M.W., Chaabane, L., Miragoli, L., Longo, D., Neeman, M., Aime, S.

Novel MRI and fluorescent probes responsive to the Factor XIII transglutaminase activity

(2010) *Contrast Media and Molecular Imaging*, 5 (4), pp. 213-222.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77956150271&doi=10.1002%2fcmmi.392&partnerID=40&md5=09e747c377353f6cc776549cd56e1a52>

77956150271&doi=10.1002%2fcmmi.392&partnerID=40&md5=09e747c377353f6cc776549cd56e1a52

Visentin, S., Medana, C., Barge, A., Giancotti, V., Cravotto, G.

Microwave-assisted Maillard reactions for the preparation of advanced glycation end products (AGEs)

(2010) *Organic and Biomolecular Chemistry*, 8 (10), pp. 2473-2477.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77952369150&doi=10.1039%2fc000789g&partnerID=40&md5=48ea81ee2c57928c9e432598915af1dd>

77952369150&doi=10.1039%2fc000789g&partnerID=40&md5=48ea81ee2c57928c9e432598915af1dd

Barge, A., Occhiato, E.G., Prandi, C., Scarpi, D., Tabasso, S., Venturello, P.

A new, practical and efficient method for protecting alcohols as tert-butyl ethers

(2010) *Synlett*, (5), art. no. G36909ST, pp. 812-816.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77749280652&doi=10.1055%2fs-0029-1219360&partnerID=40&md5=90e22b9805067e8f3b51ae1813f5fffd>

1219360&partnerID=40&md5=90e22b9805067e8f3b51ae1813f5fffd

Cintas, P., Barge, A., Tagliapietra, S., Boffa, L., Cravotto, G.

Alkyne-azide click reaction catalyzed by metallic copper under ultrasound

(2010) *Nature Protocols*, 5 (3), pp. 607-616.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77749324895&doi=10.1038%2fnprot.2010.1&partnerID=40&md5=d8e8ac0b2c1c2558ee3bd03a3888fb91>

Cravotto, G., Calcio Gaudino, E., Barge, A., Binello, A., Albertino, A., Aghemo, C.
Synthesis of 1-octacosanol and GC-C-IRMS discrimination of samples from different origin
(2010) *Natural Product Research*, 24 (5), pp. 428-439.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77950121134&doi=10.1080%2f14786410903194498&partnerID=40&md5=4269f9b0da7908bd30c5a96f08b06464>

Martina, K., Puntambekar, D.S., Barge, A., Gallarate, M., Chirio, D., Cravotto, G.
Synthesis, characterization and potential application of monoacyl-cyclodextrins
(2010) *Carbohydrate Research*, 345 (2), pp. 191-198.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-72649099774&doi=10.1016%2fj.carres.2009.11.009&partnerID=40&md5=60d2e0737d865ea456077b30b8aec7d3>

Cravotto, G., Fokin, V.V., Garella, D., Binello, A., Boffa, L., Barge, A.
Ultrasound-promoted copper-catalyzed azide - alkyne cycloaddition
(2010) *Journal of Combinatorial Chemistry*, 12 (1), pp. 13-15.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-74049123804&doi=10.1021%2fcc900150d&partnerID=40&md5=62c85735bc7e33576c9a3cb0f7230ede>

Garella, D., Barge, A., Upadhyaya, D., Rodríguez, Z., Palmisano, G., Cravotto, G.
Fast, solvent-free, microwave-promoted friedländer annulation with a reusable solid catalyst
(2010) *Synthetic Communications*, 40 (1), pp. 120-128.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-72049094256&doi=10.1080%2f00397910902957407&partnerID=40&md5=913422453ee4f48d7d7c539084568166>

Barge, A., Cappelletti, E., Cravotto, G., Ferrigato, A., Lattuada, L., Marinoni, F., Tei, L.
Synthesis of functionalised HP-DO3A chelating agents for conjugation to biomolecules
(2009) *Organic and Biomolecular Chemistry*, 7 (18), pp. 3810-3816.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-69549114622&doi=10.1039%2fb905369g&partnerID=40&md5=78b67f1c691fa06eda55925564a003cf>

Crivello, A., Nervi, C., Gobetto, R., Geninatti Crich, S., Szabo, I., Barge, A., Toppino, A., Deagostino, A., Venturello, P., Aime, S.

Towards improved boron neutron capture therapy agents: Evaluation of in vitro cellular uptake of a glutamine-functionalized carborane
(2009) *Journal of Biological Inorganic Chemistry*, 14 (6), pp. 883-890.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-70349287653&doi=10.1007%2fs00775-009-0500-1&partnerID=40&md5=4f98c8b8c07a264e16994d90be32d47e>

Albertino, A., Barge, A., Cravotto, G., Genzini, L., Gobetto, R., Vincenti, M.

Natural origin of ascorbic acid: Validation by ^{13}C NMR and IRMS

(2009) *Food Chemistry*, 112 (3), pp. 715-720.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-49349113102&doi=10.1016%2fj.foodchem.2008.05.114&partnerID=40&md5=11dea9867fb5ab6a41059d83e01fc951)

[49349113102&doi=10.1016%2fj.foodchem.2008.05.114&partnerID=40&md5=11dea9867fb5ab6a41059d83e01fc951](https://www.scopus.com/inward/record.uri?eid=2-s2.0-49349113102&doi=10.1016%2fj.foodchem.2008.05.114&partnerID=40&md5=11dea9867fb5ab6a41059d83e01fc951)

Aime, S., Gianolio, E., Arena, F., Barge, A., Martina, K., Heropoulos, G., Cravotto, G.

New cyclodextrin dimers and trimers capable of forming supramolecular adducts with shape-specific ligands

(2009) *Organic and Biomolecular Chemistry*, 7 (2), pp. 370-379.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-58049134934&doi=10.1039%2fb812172a&partnerID=40&md5=ea839e6e47f650e9dac3b0f9656c9618)

[58049134934&doi=10.1039%2fb812172a&partnerID=40&md5=ea839e6e47f650e9dac3b0f9656c9618](https://www.scopus.com/inward/record.uri?eid=2-s2.0-58049134934&doi=10.1039%2fb812172a&partnerID=40&md5=ea839e6e47f650e9dac3b0f9656c9618)

Stefania, R., Tei, L., Barge, A., Crich, S.G., Szabo, I., Cabella, C., Cravotto, G., Aime, S.

Tuning glutamine binding modes in Gd-DOTA-based probes for an improved MRI visualization of tumor cells

(2009) *Chemistry - A European Journal*, 15 (1), pp. 76-85.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-58449094540&doi=10.1002%2fchem.200801567&partnerID=40&md5=0de245dad457f3705531c141c54079a6)

[58449094540&doi=10.1002%2fchem.200801567&partnerID=40&md5=0de245dad457f3705531c141c54079a6](https://www.scopus.com/inward/record.uri?eid=2-s2.0-58449094540&doi=10.1002%2fchem.200801567&partnerID=40&md5=0de245dad457f3705531c141c54079a6)

Barge, A., Tagliapietra, S., Tei, L., Cintas, P., Cravotto, G.

Pd-catalyzed reactions promoted by ultrasound and/or microwave irradiation

(2008) *Current Organic Chemistry*, 12 (18), pp. 1588-1612.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-61649096178&doi=10.2174%2f138527208786786327&partnerID=40&md5=89bc8614c60b528c96f65355e4f27630)

[61649096178&doi=10.2174%2f138527208786786327&partnerID=40&md5=89bc8614c60b528c96f65355e4f27630](https://www.scopus.com/inward/record.uri?eid=2-s2.0-61649096178&doi=10.2174%2f138527208786786327&partnerID=40&md5=89bc8614c60b528c96f65355e4f27630)

Aime, S., Barge, A., Crivello, A., Deagostino, A., Gobetto, R., Nervi, C., Prandi, C., Toppino, A., Venturello, P.

Synthesis of Gd(III)-C-palmitamidomethyl-C'-DOTAMA-C 6-o-carborane: A new dual agent for innovative MRI/BNCT applications

(2008) *Organic and Biomolecular Chemistry*, 6 (23), pp. 4460-4466.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-56349130670&doi=10.1039%2fb808804g&partnerID=40&md5=209e8f303a38ef81651ec9f12de04b6b)

[56349130670&doi=10.1039%2fb808804g&partnerID=40&md5=209e8f303a38ef81651ec9f12de04b6b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-56349130670&doi=10.1039%2fb808804g&partnerID=40&md5=209e8f303a38ef81651ec9f12de04b6b)

Tei, L., Botta, M., Lovazzano, C., Barge, A., Milonec, L., Aimec, S.

^1H and ^{17}O NMR relaxometric study in aqueous solution of Gd(III) complexes of EGTA-like derivatives bearing methylenephosphonic groups

(2008) *Magnetic Resonance in Chemistry*, 46 (SUPPL. 1), pp. S86-S93.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-55249097451&doi=10.1002%2fmrc.2316&partnerID=40&md5=d55abdcbc39e7afc0819a9984c9da169>

Cravotto, G., Mendicuti, F., Martina, K., Tagliapietra, S., Robaldo, B., Barge, A.
A new access to homo- and heterodimers of α -, β -, and γ -cyclodextrin by a microwave-promoted huisgen cycloaddition
(2008) *Synlett*, (17), pp. 2642-2646.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-55549130513&doi=10.1055%2fs-0028-1083379&partnerID=40&md5=b55aeffedb8bde15bf3da9040928dcb5>

Cardile, V., Frasca, G., Rizza, L., Bonina, F., Puglia, C., Barge, A., Chiambretti, N., Cravotto, G.
Improved adhesion to mucosal cells of water-soluble chitosan tetraalkylammonium salts
(2008) *International Journal of Pharmaceutics*, 362 (1-2), pp. 88-92.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-50249147363&doi=10.1016%2fj.ijpharm.2008.06.017&partnerID=40&md5=a185dd5415059932bb7e0a07d0350048>

Barge, A., Fúzerová, S., Upadhyaya, D., Garella, D., Aime, S., Tei, L., Cravotto, G.
A new, easy access to the 6-aminoperhydro-1,4-diazepine scaffold under ultrasound and microwave irradiation
(2008) *Synthesis*, (12), art. no. T19307SS, pp. 1879-1882.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-46649093392&doi=10.1055%2fs-2008-1067035&partnerID=40&md5=76d5739a5bfa5c5bd0b7ef4719072a01>

Binello, A., Robaldo, B., Barge, A., Cavalli, R., Cravotto, G.
Synthesis of cyclodextrin-based polymers and their use as debittering agents
(2008) *Journal of Applied Polymer Science*, 107 (4), pp. 2549-2557.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-38849152297&doi=10.1002%2fapp.27249&partnerID=40&md5=1789ba255d710d0b36989ce7ba4908e7>

Barge, A., Tei, L., Upadhyaya, D., Fedeli, F., Beltrami, L., Stefania, R., Aime, S., Cravotto, G.
Bifunctional ligands based on the DOTA-monoamide cage
(2008) *Organic and Biomolecular Chemistry*, 6 (7), pp. 1176-1184.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-41149094025&doi=10.1039%2fb715844k&partnerID=40&md5=1480450e3b38406b64d4e34b3b47d5d9>

Upadhyaya, D.J., Barge, A., Stefania, R., Cravotto, G.
Efficient, solventless N-Boc protection of amines carried out at room temperature using sulfamic acid as recyclable catalyst
(2007) *Tetrahedron Letters*, 48 (47), pp. 8318-8322.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-35348962570&doi=10.1016%2fj.tetlet.2007.09.126&partnerID=40&md5=ff65275a4d88bb33442912bd07441682>

Palmisano, G., Bonrath, W., Boffa, L., Garella, D., Barge, A., Cravotto, G.
Heck reactions with very low ligandless catalyst loads accelerated by microwaves or simultaneous microwaves/ultrasound irradiation

(2007) *Advanced Synthesis and Catalysis*, 349 (14-15), pp. 2338-2344.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-35948935229&doi=10.1002%2fadsc.200700098&partnerID=40&md5=0fc218ea3e229975828cb73f4c91ae54>

Palmisano, G., Tagliapietra, S., Barge, A., Binello, A., Boffa, L., Cravotto, G.
Efficient regioselective opening of epoxides by nucleophiles in water under simultaneous ultrasound/microwave irradiation

(2007) *Synlett*, (13), pp. 2041-2044.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34548145852&doi=10.1055%2fs-2007-984891&partnerID=40&md5=ad44aabb050734cbf932cc73a9993735>

Trotta, F., Martina, K., Robaldo, B., Barge, A., Cravotto, G.
Recent advances in the synthesis of cyclodextrin derivatives under microwaves and power ultrasound

(2007) *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 57 (1-4), pp. 3-7.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34047131617&doi=10.1007%2fs10847-006-9169-z&partnerID=40&md5=e450c410ef37da532b8582f2ab5cd08e>

Barge, A., Cravotto, G., Robaldo, B., Gianolio, E., Aime, S.
New CD derivatives as self-assembling contrast agents for magnetic resonance imaging (MRI)

(2007) *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 57 (1-4), pp. 489-495.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34047126265&doi=10.1007%2fs10847-006-9239-2&partnerID=40&md5=a042bda94b32cf7a5c2cbb20f79dac33>

Oliaro-Bosso, S., Viola, F., Taramino, S., Tagliapietra, S., Barge, A., Cravotto, G., Balliano, G.
Inhibitory effect of umbelliferone aminoalkyl derivatives on oxidosqualene cyclases from *S. cerevisiae*, *T. cruzi*, *P. carinii*, *H. sapiens*, and *A. thaliana*: A structure-activity study

(2007) *ChemMedChem*, 2 (2), pp. 226-233.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-46649116338&doi=10.1002%2fcmde.200600234&partnerID=40&md5=55f85c2b45a176352e02bb1a3876ae40>

Palmisano, G., Toma, L., Annunziata, R., Tagliapietra, S., Barge, A., Cravotto, G.
Cyclization reactions of coumarin derivatives: Chemo- and regioselectivity effects of oxygen/sulfur isosteric replacement

(2007) *Journal of Heterocyclic Chemistry*, 44 (2), pp. 411-418.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-36749027096&doi=10.1002%2fjhet.5570440221&partnerID=40&md5=8b86902d3cb78490d12a7790d3a5362d>

Crich, S.G., Cabella, C., Barge, A., Belfiore, S., Ghirelli, C., Lattuada, L., Lanzardo, S., Mortillaro, A., Tei, L., Visigalli, M., Forni, G., Aime, S.

In vitro and in vivo magnetic resonance detection of tumor cells by targeting glutamine transporters with Gd-based probes

(2006) *Journal of Medicinal Chemistry*, 49 (16), pp. 4926-4936.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746927937&doi=10.1021%2fjm0601093&partnerID=40&md5=dc9c9f57615c421387521361527c8a21>

Aime, S., Gianolio, E., Uggeri, F., Tagliapietra, S., Barge, A., Cravotto, G.

New paramagnetic supramolecular adducts for MRI applications based on non-covalent interactions between Gd(III)-complexes and β - or γ -cyclodextrin units anchored to chitosan

(2006) *Journal of Inorganic Biochemistry*, 100 (5-6), pp. 931-938.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33646156401&doi=10.1016%2fj.jinorgbio.2005.12.003&partnerID=40&md5=2deaa9015b07462b4e1d7073efd8ef75>

Bernini, A., Spiga, O., Ciutti, A., Venditti, V., Prischi, F., Governatori, M., Bracci, L., Lelli, B., Pileri, S., Botta, M., Barge, A., Laschi, F., Niccolai, N.

NMR studies of BPTI aggregation by using paramagnetic relaxation reagents

(2006) *Biochimica et Biophysica Acta - Proteins and Proteomics*, 1764 (5), pp. 856-862.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33646507488&doi=10.1016%2fj.bbapap.2006.02.013&partnerID=40&md5=f6aea17feb9e12adfba307bacbf89990>

Aime, S., Gianolio, E., Palmisano, G., Robaldo, B., Barge, A., Boffa, L., Cravotto, G.

Improved syntheses of bis(β -cyclodextrin) derivatives, new carriers for gadolinium complexes

(2006) *Organic and Biomolecular Chemistry*, 4 (6), pp. 1124-1130.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33644883073&doi=10.1039%2fb517068k&partnerID=40&md5=1b1a7724db2afe534bea589376030d47>

Barge, A., Cravotto, G., Gianolio, E., Fedeli, F.

How to determine free Gd and free ligand in solution of Gd chelates. A technical note.

(2006) *Contrast media & molecular imaging*, 1 (5), pp. 184-188.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33947726713&doi=10.1002%2fcmmi.110&partnerID=40&md5=a9ab1436278209d2dc7a5e7403dc6cb8>

Cabella, C., Crich, S.G., Corpillo, D., Barge, A., Ghirelli, C., Bruno, E., Lorusso, V., Uggeri, F., Aime, S.

Cellular labeling with Gd(III) chelates: only high thermodynamic stabilities prevent the cells acting as 'sponges' of Gd³⁺ ions.

(2006) *Contrast media & molecular imaging*, 1 (1), pp. 23-29.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746894419&doi=10.1002%2fcmmi.88&partnerID=40&md5=7431ba03545c2d15c60bc6c6c6df77d9)

[33746894419&doi=10.1002%2fcmmi.88&partnerID=40&md5=7431ba03545c2d15c60bc6c6c6df77d9](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746894419&doi=10.1002%2fcmmi.88&partnerID=40&md5=7431ba03545c2d15c60bc6c6c6df77d9)

Aime, S., Barge, A., Gianolio, E., Geninatti Crich, S., Dastrú, W., Uggeri, F.

Paramagnetic Metal Complexes As Contrast Agents for Magnetic Resonance Imaging

(2005) *Metallotherapeutic Drugs and Metal-Based Diagnostic Agents: The Use of Metals in Medicine*, pp. 541-560.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84889286820&doi=10.1002%2f0470864052.ch28&partnerID=40&md5=b76748ec53610cac5a54b7e9f771cc5c)

[84889286820&doi=10.1002%2f0470864052.ch28&partnerID=40&md5=b76748ec53610cac5a54b7e9f771cc5c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84889286820&doi=10.1002%2f0470864052.ch28&partnerID=40&md5=b76748ec53610cac5a54b7e9f771cc5c)

Barge, A., Botta, M., Casellato, U., Tamburini, S., Vigato, P.A.

Selectivity of asymmetric macrocyclic compartmental lanthanide(III) complexes towards alkali and alkaline-earth metal ions

(2005) *European Journal of Inorganic Chemistry*, (8), pp. 1492-1499.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-17844409349&doi=10.1002%2fejic.200400812&partnerID=40&md5=32b61b20d736b0af52ee1f5273d34cb4)

[17844409349&doi=10.1002%2fejic.200400812&partnerID=40&md5=32b61b20d736b0af52ee1f5273d34cb4](https://www.scopus.com/inward/record.uri?eid=2-s2.0-17844409349&doi=10.1002%2fejic.200400812&partnerID=40&md5=32b61b20d736b0af52ee1f5273d34cb4)

Cravotto, G., Boffa, L., Turello, M., Parenti, M., Barge, A.

Chemical modifications of bile acids under high-intensity ultrasound or microwave irradiation

(2005) *Steroids*, 70 (2), pp. 77-83.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-20544456835&doi=10.1016%2fj.steroids.2004.09.007&partnerID=40&md5=e37036816a710de167392bfb49710d8d)

[20544456835&doi=10.1016%2fj.steroids.2004.09.007&partnerID=40&md5=e37036816a710de167392bfb49710d8d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-20544456835&doi=10.1016%2fj.steroids.2004.09.007&partnerID=40&md5=e37036816a710de167392bfb49710d8d)

Aime, S., Barge, A., Gianolio, E., Pagliarin, R., Silengo, L., Tei, L.

High relaxivity contrast agents for MRI and molecular imaging.

(2005) *Ernst Schering Research Foundation workshop*, (49), pp. 99-121.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-16544380681&doi=10.1007%2f3-540-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-16544380681&doi=10.1007%2f3-540-26809-x_6&partnerID=40&md5=404f11b05a6d050542470c6281e8e0ff)

[26809-x_6&partnerID=40&md5=404f11b05a6d050542470c6281e8e0ff](https://www.scopus.com/inward/record.uri?eid=2-s2.0-16544380681&doi=10.1007%2f3-540-26809-x_6&partnerID=40&md5=404f11b05a6d050542470c6281e8e0ff)

Crich, S.G., Lanzardo, S., Barge, A., Esposito, G., Tei, L., Forni, G., Aime, S.

Visualization through magnetic resonance imaging of DNA internalized following "In vivo" electroporation

(2005) *Molecular Imaging*, 4 (1), pp. 7-17.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-26944449754&doi=10.1162%2f15353500200504151&partnerID=40&md5=9781da62bea7f9fc643304e047f97661)

[26944449754&doi=10.1162%2f15353500200504151&partnerID=40&md5=9781da62bea7f9fc643304e047f97661](https://www.scopus.com/inward/record.uri?eid=2-s2.0-26944449754&doi=10.1162%2f15353500200504151&partnerID=40&md5=9781da62bea7f9fc643304e047f97661)

Crich, S.G., Barge, A., Battistini, E., Cabella, C., Coluccia, S., Longo, D., Mainero, V., Tarone, G., Aime, S.

Magnetic resonance imaging visualization of targeted cells by the internalization of supramolecular adducts formed between avidin and biotinylated Gd³⁺ chelates

(2005) *Journal of Biological Inorganic Chemistry*, 10 (1), pp. 78-86.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-12944278751&doi=10.1007%2fs00775-004-0616-2&partnerID=40&md5=8b4a314cb346e3dc3df0e665d1dbbcf2>

Aime, S., Barge, A., Cabella, C., Crich, S.G., Gianolio, E.

Targeting cells with MR imaging probes based on paramagnetic Gd(III) chelates

(2004) *Current Pharmaceutical Biotechnology*, 5 (6), pp. 509-518.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-10644293769&doi=10.2174%2f1389201043376580&partnerID=40&md5=b91bb48abfb1e722b9fd699f593111b>

Corpillo, D., Cabella, C., Crich, S.G., Barge, A., Aime, S.

Detection and quantification of lanthanide complexes in cell lysates by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

(2004) *Analytical Chemistry*, 76 (20), pp. 6012-6016.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-6044238254&doi=10.1021%2fac049162u&partnerID=40&md5=4dc808e5b2869a387f52b9f528b4003b>

Botta, M., Aime, S., Barge, A., Bobba, G., Dickins, R.S., Parker, D., Terreno, E.

Ternary complexes between cationic Gd(III) chelates and anionic metabolites in aqueous solution: An NMR relaxometric study

(2003) *Chemistry - A European Journal*, 9 (9), pp. 2102-2109.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038814010&doi=10.1002%2fchem.200204475&partnerID=40&md5=3563d3cb329398c5a7aca1e6dfa19d64>

Botta, M., Ravera, M., Barge, A., Bottaro, M., Osella, D.

Relationship between ligand structure and electrochemical and relaxometric properties of acyclic poly(aminocarboxylate) complexes of Eu(II)

(2003) *Dalton Transactions*, (8), pp. 1628-1633.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-10644279442&doi=10.1039%2fb211533f&partnerID=40&md5=056544ac95597ad6ac1d868b2ffdd508>

Aime, S., Barge, A., Botta, M., Terreno, E.

Interactions of lanthanides and their complexes with proteins. Conclusions regarding magnetic resonance imaging.

(2003) *Metal ions in biological systems*, 40, pp. 643-682.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038544561&partnerID=40&md5=efea29dae865a79c6d3b526ff8b95ec8>

Barge, A., Botta, M., Parker, D., Puschmann, H.

The nature of the counter-anion can determine the rate of water exchange in a metal aqua complex (2003) *Chemical Communications*, 3 (12), pp. 1386-1387.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037703007&doi=10.1039%2fb302211k&partnerID=40&md5=b9f300049455ea23820ea861f87ac89e)

[0037703007&doi=10.1039%2fb302211k&partnerID=40&md5=b9f300049455ea23820ea861f87ac89e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037703007&doi=10.1039%2fb302211k&partnerID=40&md5=b9f300049455ea23820ea861f87ac89e)

Aime, S., Gianolio, E., Barge, A., Kostakis, D., Plakatouras, I.C., Hadjiliadis, N.

Modulation of the prototropic exchange rate at the water molecule coordinated to a GdIII ion (2003) *European Journal of Inorganic Chemistry*, (11), pp. 2045-2048.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037596568&doi=10.1002%2fjejic.200300146&partnerID=40&md5=cfa4110c6db514461083faf1c717f43a)

[0037596568&doi=10.1002%2fjejic.200300146&partnerID=40&md5=cfa4110c6db514461083faf1c717f43a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037596568&doi=10.1002%2fjejic.200300146&partnerID=40&md5=cfa4110c6db514461083faf1c717f43a)

Botta, M., Casellato, U., Scalco, C., Tamburini, S., Tomasin, P., Vigato, P.A., Aime, S., Barge, A. Heterodinuclear Ln-Na complexes with an asymmetric macrocyclic compartmental schiff base (2002) *Chemistry - A European Journal*, 8 (17), pp. 3917-3926.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037009145&doi=10.1002%2f1521-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037009145&doi=10.1002%2f1521-3765%2820020902%298%3a17%3c3917%3a%3aAID-CHEM3917%3e3.0.CO%3b2-D&partnerID=40&md5=5570a8e24822f6e231e630accc64961c)

[3765%2820020902%298%3a17%3c3917%3a%3aAID-CHEM3917%3e3.0.CO%3b2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037009145&doi=10.1002%2f1521-3765%2820020902%298%3a17%3c3917%3a%3aAID-CHEM3917%3e3.0.CO%3b2-D&partnerID=40&md5=5570a8e24822f6e231e630accc64961c)

[D&partnerID=40&md5=5570a8e24822f6e231e630accc64961c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037009145&doi=10.1002%2f1521-3765%2820020902%298%3a17%3c3917%3a%3aAID-CHEM3917%3e3.0.CO%3b2-D&partnerID=40&md5=5570a8e24822f6e231e630accc64961c)

Aime, S., Barge, A., Castelli, D.D., Fedeli, F., Mortillaro, A., Nielsen, F.U., Terreno, E.

Paramagnetic lanthanide(III) complexes as pH-sensitive chemical exchange saturation transfer (CEST) contrast agents for MRI applications

(2002) *Magnetic Resonance in Medicine*, 47 (4), pp. 639-648.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0036204319&doi=10.1002%2fmrmm.10106&partnerID=40&md5=a1b923fe7622573979a31f7eb8d49bc1)

[0036204319&doi=10.1002%2fmrmm.10106&partnerID=40&md5=a1b923fe7622573979a31f7eb8d49bc1](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0036204319&doi=10.1002%2fmrmm.10106&partnerID=40&md5=a1b923fe7622573979a31f7eb8d49bc1)

Terreno, E., Barge, A., Beltrami, L., Cravotto, G., Castelli, D.D., Fedeli, F., Jebasingh, B., Aime, S. Highly shifted LIPOCEST agents based on the encapsulation of neutral polynuclear paramagnetic shift reagents

(2002) *Chemical Communications*, 8 (5), pp. 600-602.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-38349096517&doi=10.1039%2fb715383j&partnerID=40&md5=e2fc92991a88bf7f3ed32c37f26907c0)

[38349096517&doi=10.1039%2fb715383j&partnerID=40&md5=e2fc92991a88bf7f3ed32c37f26907c0](https://www.scopus.com/inward/record.uri?eid=2-s2.0-38349096517&doi=10.1039%2fb715383j&partnerID=40&md5=e2fc92991a88bf7f3ed32c37f26907c0)

Aime, S., Barge, A., Batsanov, A.S., Botta, M., Castelli, D.D., Fedeli, F., Mortillaro, A., Parker, D., Puschmann, H.

Controlling the variation of axial water exchange rates in macrocyclic lanthanide(III) complexes

(2002) *Chemical Communications*, 2 (10), pp. 1120-1121.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037161776&doi=10.1039%2fb202862j&partnerID=40&md5=127647430330804f21705a876c892f44)

[0037161776&doi=10.1039%2fb202862j&partnerID=40&md5=127647430330804f21705a876c892f44](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037161776&doi=10.1039%2fb202862j&partnerID=40&md5=127647430330804f21705a876c892f44)

Aime, S., Barge, A., Botta, M., Casnati, A., Fragai, M., Luchinat, C., Ungaro, R.
A calix[4]arene GdIII complex endowed with high stability, relaxivity, and binding affinity to serum albumin

(2001) *Angewandte Chemie - International Edition*, 40 (24), pp. 4737-4739.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0035905351&doi=10.1002%2f1521-3773%2820011217%2940%3a24%3c4737%3a%3aAID-ANIE4737%3e3.0.CO%3b2-W&partnerID=40&md5=38b3a063f15cfdcbf2d0711eeb3624c8>

Doble, D.M.J., Botta, M., Wang, J., Aime, S., Barge, A., Raymond, K.N.

Optimization of the relaxivity of MRI contrast agents: Effect of poly(ethylene glycol) chains on the water-exchange rates of GdIII complexes [11]

(2001) *Journal of the American Chemical Society*, 123 (43), pp. 10758-10759.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0035980352&doi=10.1021%2fja011085m&partnerID=40&md5=c43e4a02e9f2c0382aa91438d99458fc>

Cohen, S.M., Xu, J., Radkov, E., Raymond, K.N., Botta, M., Barge, A., Aime, S.

Syntheses and relaxation properties of mixed gadolinium hydroxypyridinonate MRI contrast agents (2000) *Inorganic Chemistry*, 39 (25), pp. 5747-5756.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034638856&doi=10.1021%2fic000563b&partnerID=40&md5=554bf43ff88c4cd14933b38b8595e2e9>

Aime, S., Barge, A., Botta, M., Frullano, L., Merlo, U., Hardcastle, K.I.

Multinuclear and multifrequency NMR study of gadolinium(III) complexes with bis-amide derivatives of ethylenedioxydiethylene-dinitrilotetraacetic acid

(2000) *Journal of the Chemical Society, Dalton Transactions*, (19), pp. 3435-3440.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002964735&doi=10.1039%2fb004579i&partnerID=40&md5=20f887c9eb206c35432892211ac156dd>

Casellato, U., Tamburini, S., Tomasin, P., Vigato, P.A., Aime, S., Barge, A., Botta, M.

Hetero-dinuclear sodium-lanthanide(III) complexes with an asymmetric compartmental macrocycle (2000) *Chemical Communications*, (2), pp. 145-146.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034695542&doi=10.1039%2fa909367b&partnerID=40&md5=8329a5e77f9d360cc530f7c7c3b403af>

Aime, S., Barge, A., Bruce, J.I., Botta, M., Howard, J.A.K., Moloney, J.M., Parker, D., De Sousa, A.S., Woods, M.

NMR, relaxometric, and structural studies of the hydration and exchange dynamics of cationic lanthanide complexes of macrocyclic tetraamide ligands

(1999) *Journal of the American Chemical Society*, 121 (24), pp. 5762-5771.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033597628&doi=10.1021%2fja990225d&partnerID=40&md5=770893714271a4b086837b9286b2d896>

Aime, S., Barge, A., Botta, M., Howard, J.A.K., Katakly, R., Lowe, M.P., Moloney, J.M., Parker, D., De Sousa, A.S.

Dependence of the relaxivity and luminescence of gadolinium and europium amino-acid complexes on hydrogencarbonate and pH

(1999) *Chemical Communications*, (11), pp. 1047-1048.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033532625&doi=10.1039%2fa902238d&partnerID=40&md5=4a372cdee4bd619253902d47665ac47a>

Aime, S., Barge, A., Botta, M., De Sousa, A.S., Parker, D.

Direct NMR spectroscopic observation of a lanthanide-coordinated water molecule whose exchange rate is dependent on the conformation of the complexes

(1998) *Angewandte Chemie - International Edition*, 37 (19), pp. 2673-2675.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032538573&doi=10.1002%2f%28sici%291521-3773%2819981016%2937%3a19%3c2673%3a%3aaid-anie2673%3e3.0.co%3b2-%2523&partnerID=40&md5=6a729b422e8471e2400d2efd5d835bd1>

Aime, S., Barge, A., Botta, M., Parker, D., De Sousa, A.S.

Prototropic vs whole water exchange contributions to the solvent relaxation enhancement in the aqueous solution of a cationic Gd³⁺ macrocyclic complex

(1997) *Journal of the American Chemical Society*, 119 (20), pp. 4767-4768.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031003651&doi=10.1021%2fja963743m&partnerID=40&md5=4be668f103aedd3d897151d80bf9b443>

Aime, S., Barge, A., Borel, A., Botta, M., Chemerisov, S., Merbach, A.E., Müller, U., Pubanz, D.
A Multinuclear NMR Study on the Structure and Dynamics of Lanthanide(III) Complexes of the Poly(amino carboxylate) EGTA⁴⁻ in Aqueous Solution

(1997) *Inorganic Chemistry*, 36 (22), pp. 5104-5112.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000604935&doi=10.1021%2fic970240o&partnerID=40&md5=ad03faf69aed931ca396dd05a13abb32>

Aime, S., Barge, A., Botta, M., Fasano, M., Ayala, J.D., Bombieri, G.

Crystal structure and solution dynamics of the lutetium(III) chelate of DOTA

(1996) *Inorganica Chimica Acta*, 246 (1-2 SPEC. ISSUE), pp. 423-429.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000935213&doi=10.1016%2f0020-1693%2896%2905130-4&partnerID=40&md5=d0e689897f86eabfb54985027b0a2b2>

Il sottoscritto Alessandro Barge, nato a Torino il 24-10-1971, a conoscenza di quanto prescritto dall'art. 76 del D.P.R. 28 dicembre 2000 n. 445, sulla responsabilità penale cui può andare incontro in caso di falsità in atti e di dichiarazioni mendaci, nonché di quanto prescritto dall'art. 75 del D.P.R. 28 dicembre 2000 n. 445, sulla decadenza dai benefici eventualmente conseguenti al provvedimento emanato sulla base di dichiarazioni non veritiere, ai sensi e per gli effetti del citato D.P.R. n. 445/2000 e sotto la propria personale responsabilità:

D I C H I A R A

che tutte le informazioni contenute nel presente curriculum vitae sono veritiere.

Torino, 19 maggio 2021

in fede

Prof.. Alessandro Barge