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#### PERSONAL INFORMATION

**Place of birth:** Luxembourg (EU)

**Citizenship:** Italian

**Current Position:** Full Professor of Organic Chemistry at the University of Bari (Italy)

#### EDUCATION:

1997-2000 – PhD student in Chemical Sciences at the University of Bari “A. Moro” (Mentor: Prof. S. Florio);

1996 – Degree (cum laude) in Chemistry and Pharmaceutical Technology at the University of Bari “A. Moro” (Mentor: Prof. S. Florio).

#### PROFESSIONAL EXPERIENCE:

2020-present Full Professor of Organic Chemistry at the University of Bari “A. Moro”.

2005-2019 – Associate Professor of Organic Chemistry at the University of Bari “A. Moro”.

2012 – Visiting Professor at the University of Manchester – England (host professor, Jonathan Clayden).

2012 – Visiting Professor, at Brown University – USA (host professor, Paul Williard).

2011 – Visiting Professor at the University of Charlotte – USA (host professor, Craig Ogle).

2009 – Visiting scientist at the Institute de Recherche en Chimie Organique Fine (IRCOF) Rouen –France (Host Dr. J. F. Briere)

2001-2005 – Assistant Professor of Organic Chemistry at the University of Bari “A. Moro”.

2000 – Research fellow at the University of Bari with consortium CINMPIS.

1998-1999 – Visiting Scholar at the Roger Adams Lab (School of Chemical Sciences) University of Illinois at

Urbana – Champaign (Advisor Prof. P. Beak).

1996-1997 – Instructor Officer at the National School of Artillery in Bracciano (Rome).

1990-1994 – Employed as analytical chemist in wine quality assurance.

#### TEACHING:

- Physical Methods in Organic Chemistry (5-yr degree course in Chemistry and Pharmaceutical Technology);

- Organic Chemistry II (5-yr degree course in Chemistry and Pharmaceutical Technology);

- Organic Chemistry I (5-yr degree course in Chemistry and Pharmaceutical Technology);

- Monographic courses on "Modern NMR techniques for structural analysis" for PhD students in "Chemical and Molecular Sciences" and "Pharmaceutical Sciences".

#### MEMBERSHIPS:

- Italian Chemical Society (since 1996);
- The Royal Society of Chemistry (since 2011)
- American chemical Society (2018)
- Member of ResearchGate® and LinkedIn® communities.

#### OTHER ACTIVITIES:

1. Co-Editor of "Lithium Compounds in Organic Synthesis – From Fundamentals to Applications"; Publisher: Wiley-VCH Verlag GmbH & Co. KGaA, Germany (2013-2014)
2. Editor for the Journal Catalyst (MDPI) – special issue on flow chemistry (2018)
3. Editor for Chemistry of Heterocycle Compounds (Springer) – special issue on stereoselective synthesis of heterocycles (2017)
4. Department Service: Safety Committee (since 2007).
5. Department Service: Member of the Advisory body (since 2007).
6. Board of the Master course "REACH Regulation and CLP" activated by the University of Bari "A. Moro" (since 2011).
7. Board of the Doctorate School in "Chemical and Molecular Sciences".
8. Founder and board of directors of the academic spin-off "SYNCHIMIA Materials & Nanomaterials" of the University of Bari active in the preparation of innovative material and nanomaterial useful for photonics and electronics, (chiral nonracemic products of pharmaceutical, biological and agrochemical interest, heterocyclic compounds and pheromones traps.
9. Proposal reviewer for MIUR-Italian Ministry of University and Research.
10. Reviewer for many international scientific journals (The Journal of Organic Chemistry, Organic Letters, The Journal of American of Chemical Society, European Journal of Organic Chemistry, ChemSusChem, Angew. Chem. Int. Ed, Synlett, Chemical Communication, Organic Biomolecular Chemistry, Tetrahedron, Tetrahedron Letters.
11. Editorial Board's of the open access journal ISRN – Organic Chemistry (Hindawi Publishing Corporation).
12. Invited as Member of Committee for Doctoral Degree at MESA Netherland (2015)
13. President of the RSC- Italian Committee (2015-2020).
14. Secretary of the Puglia Local Section of the Italian Chemical Society (2017)
15. Expert Reviewer and monitor for the Research Executive Agency of the European Commission (since 2016)
16. Evaluator for International Research Agencies (France, Belgium, the Netherlands, Romania)

#### AWARDS and PROJECTS:

- **2022** Coordinator of **SusPharma** Merging Sustainable and Digital Chemical Technologies for the Development of Greener-by-Design Pharmaceuticals, Horizon Europe, Pillar 2 Action: **HORIZON-HLTH-2021-IND-07-01, granted for 6.9 M€.**
- **2022** award “Organic Chemistry and Methodological Aspects” by the Division of Organic Chemistry – Italian Chemical Society.
- **2022** Partner in Doctoral Network **GreenDigiPharma** Green and digital continuous-flow pharmaceutical manufacturing, Horizon Europe, Pillar 1, **Action: HORIZON-MSCA-2021-DN-01, granted for 2.6 M€.**
- **2016** Visiting Professor at the Universidad Autonoma de Madrid (Spain) as winner of the Erasmus plus call for teaching exchange program.
- **2014** Interuniversity Consortium **CINMPIS Prize** on Innovation in Synthetic Chemistry.
- **2010** Future in Research Young Investigators **Project FIRB-08** funded by Italian Ministry of Education.
- **2003** Young investigator Lecture Centenary Reale Società di Chimica Spagnola RSEQ (Madrid).

#### Highlights:

- **Synfacts**, Highlights in Current Synthetic Organic Chemistry **2021**, 17(04),0475, doi: 10.1055/s-0040-1719437 by M. Lautens and J. Loup.
- **Synfacts**, Highlights in Current Synthetic Organic Chemistry **2020**, 16(07),0873, doi: 10.1055/s-0040-17070416 by H. Yamamoto and Y. Muramatsu.
- **Synfacts**, Highlights in Current Synthetic Organic Chemistry **2020**, 16(07),0874, doi: 10.1055/s-0040-1707041 by M. Lautens and J. Loup.
- **OPRD Highlight 2018** For the article published in *J. Am. Chem. Soc.* **2017**, 139, 13648.
- **Very Important Paper**, Leonardo Degennaro, Flavio Fanelli, Arianna Giovine, Luisi (2015) External Trapping of Halomethylithium Enabled by Flow Microreactors *Advanced Synthesis & Catalysis* 1, 357.
- **Synfacts**, Highlights in Current Synthetic Organic Chemistry **2014**, 10(4), 0420 published 18-03-2014, doi: 10.1055/s-0033-1340929 by P. Knochel and N. M. Barl.
- **Chemistry View**, highlight: "Aziridines: Go With the Flow" **2013** by Kevin Jones; 20-01-2013 [http://www.chemistryviews.org/details/ezone/4159941/Aziridines\\_Go\\_With\\_the\\_Flow.html](http://www.chemistryviews.org/details/ezone/4159941/Aziridines_Go_With_the_Flow.html) copyright: Wiley-VCH Verlag GmbH & Co. KGaA.
- Recent Advances in Organic Chemistry. A Review of Recently Reported Applications Using In Situ Spectroscopy: Metal Catalyzed Transformations (application note of Mettler Toledo) Adrian Burke and Dominique Hebrault, **2010**.

#### Journal Covers:

1. A. Giovine, B. Musio, L. Degennaro, A. Falcicchio, A. Nagaki, J. Yoshida, **R. LUISI (2013)**. CHEMISTRY-A EUROPEAN JOURNAL, vol. 19, p. 1872-1876, ISSN: 0947-6539.
2. L. Degennaro, R. Mansueto, E. Carezza, R. Rizzi, S. Florio, L. M. Pratt, **R. LUISI (2011)**. CHEMISTRY-A EUROPEAN JOURNAL, vol. 17, p. 4992-5003, ISSN: 0947-6539.
3. F. Affortunato, S. Florio, **R. LUISI**, B. Musio, (**2008**). JOURNAL OF ORGANIC CHEMISTRY, vol. 73, p. 9214-9220, ISSN: 0022-3263.

#### BIBLIOMETRIC DATA

(May 2022)

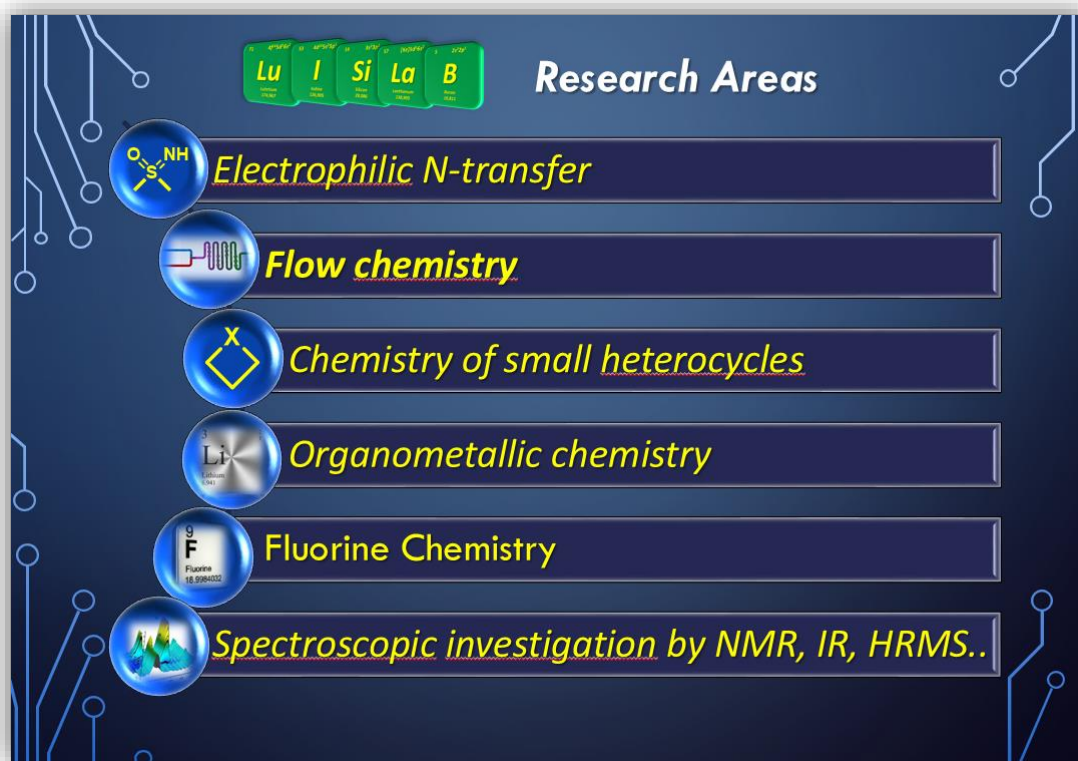
H Index: 35

Total Number of Publications: 153

Total Number of citations: >3650

#### RESEARCH INTERESTS:

Development of new sustainable synthetic methodologies for the construction of new molecules with defined stereochemistry and functional properties.



1. **Heterosubstituted Organometallics.** The reactivity of organolithiums, and in particular the chemistry of lithiated N,S,O-heterocycles (i.e. aziridines, azetidines, oxazetidines, thietanes, oxazolines) and their utility in stereoselective synthesis is mainly investigated. The research approach is focused at establishing the chemical and configurational stability of the lithiated intermediates, as well as their structure in solution by using modern spectrometric and spectroscopic techniques such as in line -IR, in line-MS, NMR. We aim at developing new stereoselective synthesis and to creating molecular diversity. In many cases, the new molecular scaffolds are tested for potential biological activity. Important and unprecedented aspects on the reactivity of small nitrogen-bearing heterocycles (i.e. Aziridines and Azetidines) have been discovered. In particular, the role of nitrogen dynamics and complexation phenomena in controlling the regiochemistry of the metalation reaction has been demonstrated and exploited in synthesis.

2. **Electrophilic nitrogen transfer.** The chemistry of nitrogen and sulfur have been combined, with the “invention” of a new and unprecedented methodology for the nitrogen transfer to the sulfur atom in order to prepare sulfoximines, sulfonimidamides, sulfonimidates. The methodology developed in collaboration with Dr. J. A. Bull at the Imperial College of London is having a great impact in modern drug discovery. We developed a method for the “umpolung” of the nitrogen atom coming from a source of ammonia. A well-known nucleophilic nitrogen (of ammonia) is easily converted in an “unusual” electrophilic nitrogen.
3. **Organofluorine chemistry.** More recently, due to the increasing importance of fluorinated molecules, we embarked in a new research area dealing with poorly explored fluorinated organometallics. The unprecedented and thought to be “elusive” fluoromethylithium and fluoriodomethylithium have been generated, and exploited for synthetic purposes for the first time. For the fluoriodomethylithium both electrophilic and nucleophilic nature of this carbenoid has been demonstrated.
4. **Microreactor Technology and Flow-Chemistry.** With the aim to design more sustainable synthetic processes, a well-equipped “flow chemistry laboratory (**FLAME Lab**)” has been created at the Department of Pharmacy – Drug Sciences of the University of Bari. Also in collaboration with industrial partners, several microreactor-mediated continuous-flow synthesis have been developed. New technologies, regulatory factors, consumer preference and economic factors are driving the Green and Sustainable Chemistry sector, and micro-technologies and flow chemistry could help to develop more sustainable chemical processes. We explore chemical windows that are impracticable using a traditional batch approach

#### ***Recent Oral Presentations to National and International Conferences and Institutions***

- 1) **2022**, 25 March, Highlighting Organic Chemistry in Italy - Euchems Organic Chemistry Division *Chemical technologies for exploring new chemical space and developing sustainable synthetic tactics.*
- 2) **2022**, 17 – 22 February, Boston USA, Flow Chemistry Summit, *Flow chemistry as enabling technology for introducing sustainability in chemical synthesis*
- 3) **2022**, 13 May Bologna CosmoPharma: ONE HEALTH ONE PLANET. FARMACI E SOSTENIBILITÀ: COME RIDURRE L'IMPATTO AMBIENTALE, IL RUOLO DEL FARMACISTA, NUOVE PROPOSTE.
- 4) **2019**, 20 May Invited lecture at **Idorsia Pharmaceuticals Ltd**, Allschwil, Switzerland - *Flow Chemistry as Enabling Technology in the Development of Synthetic Methodologies Based on Highly Reactive Organometallics.*
- 5) **2019**, 25-26 February – Cambridge UK, **Flow Chemistry Europe Conference** - *Flow Technology for the Development of Synthetic Methodologies Based on Highly Reactive Intermediates.* **2018**, 21-22 November MiCo Making Cosmetic – Milan – Flow Chemistry Una opportunità per l'industria cosmetica.
- 6) **2018**, 2-4 July SISOC XII Italian-Spanish Symposium in Organic Chemistry Ferrara, Italy; *Flow Chemistry as Enabling Technology for the Development of Synthetic Methodologies Based on Highly Reactive Intermediates*
- 7) **2018**, 17 April Invited lecture at Bayer AG, Berlin – Germany; *Recent Advances in Sulfur Functional Groups: New Chemoselective Transformations by using Sustainable Methodologies*

and Enabling Technologies

- 8) **2017** , 18-20 October, Frontier in Organic Synthesis and Technology FROST 6 Conference, Budapest – Hungary; Exploiting the Reactivity of Unstable Intermediates: Key Role of Flow Chemistry as Enabling Technology
- 9) **2017**, 21 February, University of Ljubljana (Slovenia), Invited talk “Site-Selective Functionalization of Nitrogen-Bearing Small Heterocycles: Structure, Dynamics and Complexation Phenomena at Work”
- 10) **2016**, 11-14 September 14-IMRET – International Conference on Microreaction Technology, Beijing (Cina) “Flow Microreactor Technology for Taming the Reactivity of Highly reactive Intermediates” Invited lecture.
- 11) **2016**, 25-30 September Erasmus+ Staff Exchange program, Teaching activity and lectures at the Universidad Autonoma de Madrid (Spain). Lectures on Flow chemistry and organometallic chemistry.
- 12) **2016**, 19 – 23 September – Bari, (Italy) 1st Summer School SMALL MEDICINES ADVANCED RESEARCH TRAINING – SMART “Therapeutic drug monitoring in pediatrics: principles and methods”
- 13) **2015**, 11 – 15 November, 8<sup>th</sup> TRAMECH Conference “Reactivity of Nitrogen-Bearing Small Heterocycles: Structural and Conformational Effects” Antalya, (Turkey).
- 14) **2015**, 21 – 23 October, 5th FROST Conference Frontiers in Organic Synthesis Technology, “Flow Microreactor Technology for Taming the Reactivity of Highly Unstable Intermediates”, • Budapest, (Hungary).
- 15) **2015**, 18 June, Pharma and Food Lecture, University of Vienna, “Stereodynamics and Complexation Phenomena as Key Factors in the Reactivity of Small Heterocycles”, Vienna (Austria).
- 16) **2015** 23 April, University of Namur, “Microreactor technology as useful tool in the development of sustainable chemistry”, Namur (Belgium).
- 17) **2015**, 8 May, University of Twente, Invited seminar, “Microreactor technology as useful tool in the development of sustainable chemistry”, Twente (Netherland).
- 18) **2014**, 29 September, CIMPIS Ventennium Conference, Nobel Prize E.-i. Negishi guest star, “Microreactor technology as useful tool in the development of sustainable chemistry”, Bari (Italy).
- 19) **2014**, 22-24 September, “Nitrogen Stereodynamics as Key Factor in the Reactivity of Small Heterocycles” XLIII National congress on Nuclear Magnetic Resonance, Bari (Italy).
- 20) **2014** 23-25 June, “Development of sustainable organocatalytic and organolithium mediated synthetic processes by using flow microreactors” IMRET 13<sup>th</sup> International Conferences on MicroREaction Technology, Budapest (Hungary).

## Publications

### Articles and Reviews in peer reviewed international journals

1. Musci, P.; von Keutz, T.; Belaj, F.; Degennaro, L.; Cantillo, D.; Kappe, O. C.; **Luisi, R.**, Flow Technology for Telescoped Generation, Lithiation and Electrophilic (C3) Functionalization of

- Highly Strained 1-Azabicyclo[1.1.0]butanes, *Angew. Chem. Int. Ed.* **2021**, doi: 10.1002/anie.202014881.
2. Andresini, M., Degannaro, L., **Luisi, R.** A sustainable strategy for the straightforward preparation of 2H-azirines and highly functionalized NH-aziridines from vinyl azides using a single solvent flow-batch approach. *Beilstein J. Org. Chem.* **2021**, *17*, 203–209.
  3. Colella, M., Musci, P., Cannillo, D., Spennacchio, M., Aramini, A., Degennaro, L., **Luisi, R.** Development of a Continuous Flow Synthesis of 2-Substituted Azetines and 3-Substituted Azetidines by Using a Common Synthetic Precursor. *J. Org. Chem.* **2021**, *86*, 13943–13954.
  4. Andresini, M., Colella, M., Degennaro, L., **Luisi, R.** Hypervalent iodine (III) reagents and ammonia as useful combination for highly chemoselective N-transfer to low-valent organosulfur compounds and amines. *Arkivoc*, **2021** (4). <https://doi.org/10.24820/ARK.5550190.P011.616>
  5. Craven, G. B., Briggs, E. L., Zammit, C. M., McDermott, A., Greed, S., Affron, D. P., Leinfellner, C., Cudmore, H. R., Tweedy, R. R., **Luisi, R.**, Bull, J. A., Armstrong, A. Synthesis and Configurational Assignment of Vinyl Sulfoximines and Sulfonylimidamides. *J. Org. Chem.* **2021**, *86*, 7403–7424.
  6. Andresini, M., Tota, A., Degennaro, L., Bull, J. A., **Luisi, R.** Synthesis and Transformations of NH-Sulfoximines. *Chemistry – Eur. J.* **2021**, *27*, 17293–17321.
  7. Andresini, M., Spennacchio, M., Colella, M., Losito, G., Aramini, A., Degennaro, L., **Luisi, R.** Sulfinimidate Esters as an Electrophilic Sulfinimidoyl Motif Source: Synthesis of N-Protected Sulfilimines from Grignard Reagents. *Org. Lett.* **2021**, *23*, 6850–6854.
  8. Cocco, A., Rubanu, M. G., Sechi, M. L., Frongia, A., Mastroianni, P., Degennaro, L., Colella, M., **Luisi, R.**, Secci, F. Lithiated three-membered heterocycles as chiral nucleophiles in the enantioselective synthesis of 1-oxaspiro[2,3]hexanes. *Org. Biomol. Chem.* **2021**, *19*, 1945–1949.
  9. Tota, A.; Colella, M.; Carlucci, C.; Aramini, A.; Clarkson, G.; Degennaro, L.; Bull, J. A.; **Luisi, R.**, N–N Bond Formation Using an Iodonitrene as an Umpolung of Ammonia: Straightforward and Chemoselective Synthesis of Hydrazinium Salts. *Adv. Synth. Catal.* **2021**, *363* (1), 194–199.
  10. Musci, P.; Colella, M.; Sivo, A.; Romanazzi, G.; **Luisi, R.**; Degennaro, L., Flow Microreactor Technology for Taming Highly Reactive Chloriodomethylithium Carbenoid: Direct and Chemoselective Synthesis of  $\alpha$ -Chloroaldehydes. *Org. Lett.* **2020**, *22* (9), 3623–3627.
  11. Tota, A., Carlucci, C., Pisano, L., Cutolo, G., Clarkson, G. J., Romanazzi, G., Degennaro, L., Bull, J. A., Rollin, P., **Luisi, R.** Synthesis of glycosyl sulfoximines by a highly chemo- And stereoselective NH- And O-transfer to thioglycosides. *Org. Biom. Chem.* **2020**, *18*, 3893–3897.
  12. Musio, B., Ragone, R., Todisco, S., Rizzuti, A., Latronico, M., Mastroianni, P., Pontrelli, S., Intini, N., Scapicchio, P., Triggiani, M., Zuccaccia, C., **Luisi, R.**, Gallo, V. *et al.* A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. *Talanta*, **2020**, *214*.
  13. Andresini, M., Degennaro, L., **Luisi, R.** The renaissance of strained 1-azabicyclo[1.1.0]butanes as useful reagents for the synthesis of functionalized azetidines. *Org. Biom. Chem.* **2020**, *18*, 5798–5810.
  14. Musci, P., Colella, M., Sivo, A., Romanazzi, G., **Luisi, R.**, Degennaro, L. Flow Microreactor Technology for Taming Highly Reactive Chloriodomethylithium Carbenoid: Direct and Chemoselective Synthesis of  $\alpha$ -Chloroaldehydes. *Org. Lett.* **2020**, *22*, 3623–3627.

15. Colella, M., Degennaro, L., **Luisi, R.** Continuous flow synthesis of heterocycles: A recent update on the flow synthesis of indoles. *Molecules* **2020**, 25. <https://doi.org/10.3390/molecules25143242>.
16. Takahashi, Y., Ashikari, Y., Takumi, M., Shimizu, Y., Jiang, Y., Higuma, R., Ishikawa, S., Sakaue, H., Shite, I., Maekawa, K., Fujita, C., Colella, M., **Luisi, R.**, Nagaki, A. Synthesis of Biaryls Having a Piperidylmethyl Group Based on Space Integration of Lithiation, Borylation, and Suzuki–Miyaura Coupling. *Eur. J. Org. Chem.* **2020**, 618–622.
17. Colella, M.; Tota, A.; Takahashi, Y.; Higuma, R.; Ishikawa, S.; Degennaro, L.; **Luisi, R.**; Nagaki, A., Fluoro-Substituted Methyllithium Chemistry: External Quenching Method Using Flow Microreactors. *Angew. Chem. Int. Ed.* **2020**, 59 (27), 10924-10928.
18. Colella, M.; Nagaki, A.; **Luisi, R.**, Flow Technology for the Genesis and Use of (Highly) Reactive Organometallic Reagents. *Chem. Eur. J.* **2020**, 26 (1), 19-32.
19. Andresini, M.; Spennacchio, M.; Romanazzi, G.; Ciriaco, F.; Clarkson, G.; Degennaro, L.; **Luisi, R.**, Synthesis of Sulfinamidines and Sulfinimidate Esters by Transfer of Nitrogen to Sulfenamides. *Org. Lett.* **2020**, 22 (18), 7129-7134.
20. Musci, P.; Colella, M.; Fanelli, F.; Altomare, A.; Pisano, L.; Carlucci, C.; **Luisi, R.**; Degennaro, L., Stereo- and enantioselective addition of organolithiums to 2-oxazolinylazetidines as a synthetic route to 2-acylazetidines. *Front. Chem.* **2019**, 7.
21. Monticelli, S., Colella, M., Pillari, V., Tota, A., Langer, T., Holzer, W., Degennaro, L., **Luisi, R.**, Pace, V. Modular and Chemoselective Strategy for the Direct Access to  $\alpha$ -Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethylithium to Carbonyl-Like Compounds. *Org. Lett.* **2019**, 21, 584–588.
22. Carlucci, C., Andresini, M., Degennaro, L., **Luisi, R.** Benchmarking acidic and basic catalysis for a robust production of biofuel from waste cooking oil. *Catalysts*, **2019**, 9. <https://doi.org/10.3390/catal9121050>.
23. Len, C., & **Luisi, R.** (2019). Catalytic methods in flow chemistry. *Catalysts*, 9(8). <https://doi.org/10.3390/catal9080663>
24. de Angelis, S., Celestini, P., Purgatorio, R., Degennaro, L., Rebuzzini, G., **Luisi, R.**, Carlucci, C. Development of a continuous flow synthesis of propranolol: tackling a competitive side reaction. *J. Flow Chem.* **2019**, 9, 231–236.
25. Colella, M., Tota, A., Großjohann, A., Carlucci, C., Aramini, A., Sheikh, N. S., Degennaro, L., **Luisi, R.** Straightforward chemo- and stereoselective fluorocyclopropanation of allylic alcohols: Exploiting the electrophilic nature of the not so elusive fluoroiodomethylithium. *Chem. Comm.* **2019**, 55, 8430–8433.
26. Briggs, E. L., Tota, A., Colella, M., Degennaro, L., **Luisi, R.**, Bull, J. A. Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxy-amino- $\lambda^6$ -sulfanenitrile Intermediate. *Angew. Chem. – Int. Ed.* **2019**, 58, 14303–14310.
27. Lauder, K., Masci, D., Toscani, A., al Mekdad, A., Black, G. W., Brown, N. L., Turner, N. J., **Luisi, R.**, Castagnolo, D. A facile and regioselective multicomponent synthesis of chiral aryl-1,2-mercaptoamines in water followed by monoamine oxidase (MAO-N) enzymatic resolution. *Org. Biomol. Chem.* **2019**, 17, 8982–8986.
28. Carlucci, C., Degennaro, L., **Luisi, R.** Titanium dioxide as a catalyst in biodiesel production. **2019**, *Catalysts*, 9. <https://doi.org/10.3390/catal9010075>



29. de Angelis, S., Franco, M., Triminì, A., González, A., Sainz, R., Degennaro, L., Romanazzi, G., Carlucci, C., Petrelli, V., de la Esperanza, A., **Luisi, R.**, Cid, M. B. A Study of Graphene-Based Copper Catalysts: Copper(I) Nanoplatelets for Batch and Continuous-Flow Applications. *Chemistry - Asian J.* **2019**, *14*, 3011–3018.
30. Colella, M., Musci, P., **Luisi, R.**, Degennaro, L. (2019). Synthesis and use of halodifluoromethyl heterocycles. In *Targets in Heterocyclic Systems* (Vol. 23). <https://doi.org/10.17374/targets.2020.23.384>
31. Colella, M., Carlucci, C., **Luisi, R.** *Topics in Current Chemistry* **2018**, *376*, 46.
32. Colella, M., Musci, P., Carlucci, C., Lillini, S., Tomassetti, M., Aramini, A., Degennaro, L., **Luisi, R.** *ACS Omega* **2018**, *3*, 14841-14848.
33. De Angelis, S., Christopher A. Hone, Celestini, P., Degennaro, L., Kappe, O., **Luisi, R.** *J. Flow Chem.* **2018**, *8*, 109 – 116.
34. Andresini, M., De Angelis, S., Uricchio, A., Visaggio, A., Romanazzi, G., Ciriaco, F., Corriero, N., Degennaro, L., **Luisi, R.** *J. Org. Chem.* **2018**, *83*, 10221-10230.
35. De Angelis, S., Carlucci, C., de Candia, M., Rebuzzini, G., Celestini, P., Riscazzi, M., Degennaro, L., **Luisi, R.** *Cat. Today* **2018**, *308*, 81-85.
36. Tota, A., St John-Campbell, S., Briggs, E.L., Degennaro, L., Bull, J.A., **Luisi, R.** *Org. Lett.* **2018**, *20*, 2599-2602.
37. Degennaro, L., **Luisi, R.** *Chemistry of Heterocyclic Compounds*, **2018**, *54*, 400-402.
38. Carlucci, C., Tota, A., Colella, M., Romanazzi, G., Degennaro, L., **Luisi, R.** *Chemistry of Heterocyclic Compounds*, **2018**, *54*, 428-436.
39. Degennaro, L., Tota, A., De Angelis, S., Andresini, M., Romanazzi, G., **Luisi, R.** *Eur. J. Org. Chem.* **2017**, *44*, 6486-6490.
40. Romanazzi, G., Degennaro, L., Mastroilli, P., **Luisi, R.** *ACS Cat.* **2017**, *7*, 4100-4114.
41. Parisi, G., Colella, M., Monticelli, S., Romanazzi, G., Langer, T., Holzer, W., Pace, V., **Luisi, R.** *J. Am. Chem. Soc.* **2017**, *139*, 13648-13651.
42. Parisi, G., Degennaro, L., Carlucci, C., Holzer, W., Altomare, C. D., De Candia M., Pace, V., **Luisi, R.** *Org. Biom. Chem.* **2017**, *15*, 5000-5015.
43. Bull, J.A., Degennaro, L., **Luisi, R.** *Synlett* **2017**, *28*, 2525-2538.
44. F. Fanelli, G. Parisi, L. Degennaro, **Luisi, R.** *Beilstein J. Org. Chem.* **2017**, *13*, 520-542.
45. S. De Angelis, P. Celestini, G. Rebuzzini, L. Degennaro, **Luisi, R.** *Synthesis*, **2017**, *49*, 1969-1971.
46. A. Tota, F. Fanelli, A. Falcicchio, L. Degennaro, **Luisi, R.** *Chemistry of Heterocyclic Compounds*, **2017**, *53*, 322-328.
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48. Antermite, D.; Degennaro, L.; **Luisi, R.**, *Org. Biomol. Chem.* **2017**, *15*, 34-50.
49. Tota, A.; Zenzola, M.; Chawner, S. J.; John-Campbell, S. S.; Carlucci, C.; Romanazzi, G.; Degennaro, L.; Bull, J. A.; **Luisi, R.**, *Chem. Commun.* **2017**, *53*, 348-351.
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