# Julien Legros

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4697401/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 81 papers | 5,381 citations | 172207 29 h-index | 82410 72 g-index |
| 102 all docs | 102 docs citations | 102 times ranked | 4927 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Flow dearomatization of electron-poor 3-fluoromethylthioindoles by 1,3-dipolar cycloaddition. Journal of Flow Chemistry, 2022, 12, 141-145. | 1.2 | 3 |
| 2 | Kinetic model assessment for the synthesis of Î³-valerolactone from n-butyl levulinate and levulinic acid hydrogenation over the synergy effect of dual catalysts Ru/C and Amberlite IR-120. Chemical Engineering Journal, 2022, 430, 133053. | 6.6 | 28 |
| 3 | Organophosphorus chemical security from a peaceful perspective: sustainable practices in its synthesis, decontamination and detection. Green Chemistry, 2022, 24, 585-613. | 4.6 | 19 |
| 4 | A continuous flow generator of organic hypochlorites for the neutralization of chemical warfare agent simulants. Green Chemistry, 2022, 24, 3167-3179. | 4.6 | 11 |
| 5 | Flow synthesis of an Î±-amino boronic ester as a key precursor of bortezomib drug. Reaction Chemistry and Engineering, 2022, 7, 1285-1288. | 1.9 | 2 |
| 6 | A multi-step continuous flow synthesis of pomalidomide. Journal of Flow Chemistry, 2022, 12, 383-387. | 1.2 | 2 |
| 7 | Theoretical, Semiempirical, and Experimental Solvatochromic Comparison Methods for the Construction of the Î±<sub>1</sub> Scale of Hydrogen-Bond Donation of Solvents. Journal of Organic Chemistry, 2022, 87, 6273-6287. | 1.7 | 4 |
| 8 | Reactivity of 3-nitroindoles with electron-rich species. Chemical Communications, 2021, 57, 27-44. | 2.2 | 50 |
| 9 | Flow neutralisation of sulfur-containing chemical warfare agents with Oxone: packed bed vs. aqueous solution. Green Chemistry, 2021, 23, 2925-2930. | 4.6 | 15 |
| 10 | How electrophilic are 3-nitroindoles? Mechanistic investigations and application to a reagentless (4+2) cycloaddition. Chemical Communications, 2021, 57, 10071-10074. | 2.2 | 8 |
| 11 | Measurement of the hydrogen bond acceptance of ionic liquids and green solvents by the <sup>19</sup>F solvatomagnetic comparison method. Green Chemistry, 2021, 23, 1816-1822. | 4.6 | 7 |
| 12 | Soft and effective detoxification of a VX simulant in a nylon 3D printed basic flow reactor. Green Chemistry, 2021, 23, 7522-7527. | 4.6 | 5 |
| 13 | Hydrogen-Bond Acceptance of Solvents: A <sup>19</sup>F Solvatomagnetic Î²<sub>1</sub> Database to Replace Solvatochromic and Solvatovibrational Scales. Journal of Organic Chemistry, 2021, 86, 4143-4158. | 1.7 | 15 |
| 14 | Continuous flow synthesis of Celecoxib from 2-bromo-3,3,3-trifluoropropene. Journal of Flow Chemistry, 2021, , 1-5. | 1.2 | 6 |
| 15 | Continuous Flow Synthesis of Propofol. Molecules, 2021, 26, 7183. | 1.7 | 13 |
| 16 | Correlation analysis of solvent effects on solvolysis rates: What can the empirical parameters of solvents actually say?. Journal of Physical Organic Chemistry, 2020, 33, e4067. | 0.9 | 7 |
| 17 | Bromine-lithium exchange on gem-dibromoalkenes part 1: batch vs microflow conditions. Journal of Flow Chemistry, 2020, 10, 139-143. | 1.2 | 12 |
| 18 | Bromineâ€“Lithium Exchange on a gem-Dibromoalkene, Part 2: Comparative Performance of Flow Micromixers. Organic Process Research and Development, 2020, 24, 787-791. | 1.3 | 11 |

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|---|---|---|---|
| 19 | First Zinc Bromide Promoted Annulative Domino Reactions between Enamines and Cyclic Moritaâ€“Baylisâ€“Hillman Alcohols: Synthesis of N,O-Ketals. Synlett, 2020, 31, 1282-1286. | 1.0 | 1 |
| 20 | A safe and compact flow platform for the neutralization of a mustard gas simulant with air and light. Green Chemistry, 2020, 22, 4105-4115. | 4.6 | 31 |
| 21 | Dearomatization of 3-cyanoindoles by (3 + 2) cycloaddition: from batch to flow chemistry. Organic and Biomolecular Chemistry, 2020, 18, 3481-3486. | 1.5 | 18 |
| 22 | The facile dearomatization of nitroaromatic compounds using lithium enolates of unsaturated ketones in conjugate additions and (4+2) formal cycloadditions. Chemical Communications, 2019, 55, 7494-7497. | 2.2 | 15 |
| 23 | Introduction to chemical warfare agents, relevant simulants and modern neutralisation methods. Organic and Biomolecular Chemistry, 2019, 17, 6528-6537. | 1.5 | 75 |
| 24 | Stereoselective synthesis of functionalized vinyl ethers from allyl bromides activated by triethylamine. Synthetic Communications, 2018, 48, 705-713. | 1.1 | 2 |
| 25 | Solvent effects in the aza-Michael addition of anilines. Comptes Rendus Chimie, 2018, 21, 639-643. | 0.2 | 23 |
| 26 | Grignard Reagents and Iron. ChemistrySelect, 2018, 3, . | 0.7 | 1 |
| 27 | New synthesis of imidazole derivatives from cyanobenzenes. Tetrahedron Letters, 2018, 59, 4487-4491. | 0.7 | 23 |
| 28 | Tetrahydronaphthalene as a precursor of new series of chalcones, flavanones, and flavone. Turkish Journal of Chemistry, 2018, 42, . | 0.5 | 1 |
| 29 | Michael addition of 1,3-dicarbonyl compounds catalyzed by iron oxide nanoparticles. Tetrahedron Letters, 2018, 59, 4044-4046. | 0.7 | 4 |
| 30 | Adamantyl aziridines via aza-Michael initiated ring closure (aza-MIRC) reaction. Tetrahedron, 2017, 73, 1120-1126. | 1.0 | 14 |
| 31 | Oxidative Neutralization of Mustardâ€Gas Simulants in an Onâ€Board Flow Device with Inâ€Line NMR Monitoring. Angewandte Chemie, 2017, 129, 7676-7680. | 1.6 | 11 |
| 32 | Oxidative Neutralization of Mustardâ€Gas Simulants in an Onâ€Board Flow Device with Inâ€Line NMR Monitoring. Angewandte Chemie - International Edition, 2017, 56, 7568-7572. | 7.2 | 42 |
| 33 | 3. Grignard Reagents and Iron. , 2016, , 114-151. | | 2 |
| 34 | â€œOn waterâ€•reaction of deactivated anilines with 4-methoxy-3-buten-2-one, an effective butynone surrogate. Organic and Biomolecular Chemistry, 2016, 14, 11085-11087. | 1.5 | 9 |
| 35 | Addition of 4-(cyclohex-1-en-1-yl)morpholine on 3-nitroindole: an unprecedented dearomatizing process. Organic and Biomolecular Chemistry, 2016, 14, 2833-2839. | 1.5 | 29 |
| 36 | Selective monoalkylation of amines with light electrophiles using a flow microreactor system. Organic Chemistry Frontiers, 2015, 2, 324-327. | 2.3 | 7 |

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|---|---|---|---|
| 37 | A Database of Dispersion-Induction DI, Electrostatic ES, and Hydrogen Bonding Î±<sub>1</sub> and Î²<sub>1</sub> Solvent Parameters and Some Applications to the Multiparameter Correlation Analysis of Solvent Effects. Journal of Physical Chemistry B, 2015, 119, 3174-3184. | 1.2 | 68 |
| 38 | Benefits of a Dual Chemical and Physical Activation: Direct aza-Michael Addition of Anilines Promoted by Solvent Effect under High Pressure. Journal of Organic Chemistry, 2015, 80, 10375-10379. | 1.7 | 34 |
| 39 | Iron-promoted Câ€“C bond formation in the total synthesis of natural products and drugs. Natural Product Reports, 2015, 32, 1541-1555. | 5.2 | 71 |
| 40 | Formylation of amines through catalyst- and solvent-free transamidation reaction. Tetrahedron Letters, 2014, 55, 362-364. | 0.7 | 28 |
| 41 | Solvatomagnetic Comparison Method: A Proper Quantification of Solvent Hydrogen-Bond Basicity. Journal of Physical Chemistry B, 2014, 118, 7594-7608. | 1.2 | 23 |
| 42 | Selective monomethylation of primary amines with simple electrophiles. Chemical Communications, 2014, 50, 1836. | 2.2 | 36 |
| 43 | Aza-Michael Access to Fluoroalkylidene Analogues of Biomolecules. Journal of Organic Chemistry, 2013, 78, 8083-8097. | 1.7 | 18 |
| 44 | Straightforward synthesis of 2-propylquinolines under multicomponent conditions in fluorinated alcohols. Journal of Fluorine Chemistry, 2013, 152, 94-98. | 0.9 | 10 |
| 45 | Polyfluorinated mercaptoalcohol as a H-bond modifier of poly(2,3,4,5,6-pentafluorostyrene) (PPFS) enhancing miscibility of hydroxylated-PPFS with various acceptor polymers. Polymer, 2013, 54, 3757-3766. | 1.8 | 12 |
| 46 | Self-assembly between 1,4-diazabicyclo[2.2.2]octane and bis(hexafluoroalcohols): solid/liquid phase switching for catalyst recycling. Catalysis Science and Technology, 2012, 2, 934. | 2.1 | 4 |
| 47 | Fluorous tagging of DABCO through halogen bonding: recyclable catalyst for the Moritaâ€“Baylisâ€“Hillman reaction. Chemical Communications, 2011, 47, 5855. | 2.2 | 84 |
| 48 | Synthesis of substituted 8-aminoquinolines and phenanthrolines through a Povarov approach. Organic and Biomolecular Chemistry, 2011, 9, 347-350. | 1.5 | 28 |
| 49 | Influence of the Structure of Polyfluorinated Alcohols on BrÃ¸nsted Acidity/Hydrogen-Bond Donor Ability and Consequences on the Promoter Effect. Journal of Organic Chemistry, 2011, 76, 1126-1133. | 1.7 | 90 |
| 50 | Fluorous 4â€N,Nâ€Dimethylaminopyridine (DMAP) Salts as Simple Recyclable Acylation Catalysts. Chemistry - A European Journal, 2010, 16, 1776-1779. | 1.7 | 45 |
| 51 | Facile Access to Fluorinated Aryl and Vinyl Ethers through Copperâ€Catalysed Reaction of Fluoro Alcohols. European Journal of Organic Chemistry, 2009, 2009, 3513-3518. | 1.2 | 54 |
| 52 | Synthesis of pyrazoles through catalyst-free cycloaddition of diazo compounds to alkynes. Green Chemistry, 2009, 11, 156-159. | 4.6 | 98 |
| 53 | Solvent-Promoted and -Controlled Aza-Michael Reaction with Aromatic Amines. Journal of Organic Chemistry, 2009, 74, 6260-6265. | 1.7 | 113 |
| 54 | Fluorous analogues of DMAP (F-DMAP): Reusable organocatalysts for acylation reaction. Journal of Fluorine Chemistry, 2008, 129, 974-977. | 0.9 | 10 |

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|---|---|---|---|
| 55 | Synthesis of 2,3-unsaturated glycosides via metal-free Ferrier reaction. Tetrahedron, 2008, 64, 10497-10500. | 1.0 | 38 |
| 56 | Solubility switch of gold nanoparticles through hydrogen bond association. Chemical Communications, 2008, , 4954. | 2.2 | 9 |
| 57 | Synthesis of new trifluoromethyl peptidomimetics with a triazole moiety. Tetrahedron Letters, 2007, 48, 8360-8362. | 0.7 | 32 |
| 58 | Facile Synthesis of Tetrahydroquinolines and Julolidines through ÂMulticomponent Reaction. Synlett, 2006, 2006, 1899-1902. | 1.0 | 40 |
| 59 | A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines:Easy Access to CF3-Substituted Piperidines. European Journal of Organic Chemistry, 2005, 2005, 1258-1265. | 1.2 | 32 |
| 60 | Applications of Catalytic Asymmetric Sulfide Oxidations to the Syntheses of Biologically Active Sulfoxides. Advanced Synthesis and Catalysis, 2005, 347, 19-31. | 2.1 | 414 |
| 61 | Iron-Catalyzed Oxidation of Cycloalkanes and Alkylarenes with Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2005, 347, 703-705. | 2.1 | 72 |
| 62 | Investigations on the Iron-Catalyzed Asymmetric Sulfide Oxidation. Chemistry - A European Journal, 2005, 11, 1086-1092. | 1.7 | 226 |
| 63 | Iron-Catalyzed Reactions in Organic Synthesis. ChemInform, 2005, 36, no. | 0.1 | 1 |
| 64 | Synthesis of Enamines, Enol Ethers and Related Compounds by Cross-Coupling Reactions. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 65 | A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines: Easy Access to CF3-Substituted Piperidines.. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 66 | The Chemistry of Trifluoromethyl Imines and Related Acetals Derived from Fluoral. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 67 | Synthesis of enamines, enol ethers and related compounds by cross-coupling reactions. Chemical Communications, 2005, , 973. | 2.2 | 220 |
| 68 | The chemistry of trifluoromethyl imines and related acetals derived from fluoral. Chemical Society Reviews, 2005, 34, 562. | 18.7 | 110 |
| 69 | Asymmetric Synthesis of Sulindac by Iron-Catalyzed Sulfoxidation. Synlett, 2004, 2004, 2397-2399. | 1.0 | 9 |
| 70 | Iron-Catalyzed Reactions in Organic Synthesis. Chemical Reviews, 2004, 104, 6217-6254. | 23.0 | 2,014 |
| 71 | Highly Enantioselective Iron-Catalyzed Sulfide Oxidation with Aqueous Hydrogen Peroxide under Simple Reaction Conditions. Angewandte Chemie - International Edition, 2004, 43, 4225-4228. | 7.2 | 225 |
| 72 | Iron-Catalyzed Asymmetric Sulfide Oxidation with Aqueous Hydrogen Peroxide.. ChemInform, 2004, 35, no. | 0.1 | 0 |

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| 73 | Highly Enantioselective Iron-Catalyzed Sulfide Oxidation with Aqueous Hydrogen Peroxide under Simple Reaction Conditions.. ChemInform, 2004, 35, no. | 0.1 | 0 |
| 74 | Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines. Journal of Organic Chemistry, 2003, 68, 6444-6446. | 1.7 | 61 |
| 75 | Urea-Hydrogen Peroxide/Hexafluoro-2-propanol: An Efficient System for a Catalytic Epoxidation Reaction Without a Metal.. ChemInform, 2003, 34, no. | 0.1 | 0 |
| 76 | Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines.. ChemInform, 2003, 34, no. | 0.1 | 0 |
| 77 | Iron-Catalyzed Asymmetric Sulfide Oxidation with Aqueous Hydrogen Peroxide. Angewandte Chemie - International Edition, 2003, 42, 5487-5489. | 7.2 | 261 |
| 78 | Urea-Hydrogen Peroxide/Hexafluoro-2-propanol: An Efficient System for a Catalytic Epoxidation Reaction without a Metal. European Journal of Organic Chemistry, 2002, 2002, 3290-3293. | 1.2 | 42 |
| 79 | Design of fluoroketones as efficient reagents for epoxidation reactions in hexafluoropropan-2-ol. Tetrahedron, 2002, 58, 3993-3998. | 1.0 | 23 |
| 80 | Trifluoromethylcyclohexane as a new solvent? Limits of use. Tetrahedron, 2002, 58, 4067-4070. | 1.0 | 10 |
| 81 | An efficient and robust fluoroketone catalyst epoxidation. Tetrahedron Letters, 2001, 42, 4463-4466. | 0.7 | 43 |