

Indrapal Singh Aidhen

List of Publications by Year in descending order

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50
papers

641
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687363

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677142

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times ranked

702
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Investigation of Alkyl Amine Substituted Quinone Derivatives for the Redox Flow Battery Applications in Acidic Medium. <i>Journal of the Electrochemical Society</i> , 2022, 169, 020533. | 2.9 | 3 |
| 2 | Natural Products & Bioactivity Inspired Synthetic Pursuits Interfacing with Carbohydrates: Ongoing Journey with C-Glycosides. <i>Chemical Record</i> , 2021, 21, 3131-3177. | 5.8 | 4 |
| 3 | Bioactive C-glycosides inspired from natural products towards therapeutics. , 2020, , 97-153. | | 5 |
| 4 | Novel Chemical Scaffolds to Inhibit the Neutral Amino Acid Transporter BOAT1 (SLC6A19), a Potential Target to Treat Metabolic Diseases. <i>Frontiers in Pharmacology</i> , 2020, 11, 140. | 3.5 | 25 |
| 5 | New cyclic and acyclic imidazole-based sensitizers for achieving highly efficient photoanodes for dye-sensitized solar cells by a potential-assisted method. <i>New Journal of Chemistry</i> , 2020, 44, 10207-10219. | 2.8 | 10 |
| 6 | Synthesis of Benzyl C-Analogues of Dapagliflozin as Potential SGLT2 Inhibitors. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1828-1839. | 2.4 | 10 |
| 7 | Acyl and Benzyl C ² -Glucosides: Synthesis and Biostudies for Glucose Uptake Promoting Activity in C2C12 Myotubes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6053-6070. | 2.4 | 11 |
| 8 | Synthesis of 4 C ² -Glucosylated Isoliquiritigenin and Analogues for Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3937-3948. | 2.4 | 11 |
| 9 | Discovery of an isocoumarin analogue that modulates neuronal functions via neurotrophin receptor TrkB. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 585-590. | 2.2 | 8 |
| 10 | Exploring the role of the spacers and acceptors on the triphenylamine-based dyes for dye-sensitized solar cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4691-4705. | 7.1 | 24 |
| 11 | Synthesis of Unsymmetrical Linear Diarylheptanoids and their Enantiomers and Antiproliferative Activity Studies. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6379-6387. | 2.4 | 2 |
| 12 | Effect of Flexible, Rigid Planar and Non-Planar Donors on the Performance of Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, H845-H860. | 2.9 | 19 |
| 13 | Convenient Access to 2-Glucopyranosylpyridines by Using Bohlmann-Rahtz Heteroannulation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5744-5753. | 2.4 | 7 |
| 14 | Design of Cone-Shaped Hole Transporting Material Organic Structures for Perovskite Solar Cells Applications. <i>ChemistrySelect</i> , 2018, 3, 8159-8166. | 1.5 | 4 |
| 15 | Total Synthesis of Natural Product Piperodione and Its Analogues. <i>ChemistrySelect</i> , 2018, 3, 5975-5980. | 1.5 | 2 |
| 16 | Stereoselective total synthesis of Oxylipin from open chain gluco-configured building block. <i>Carbohydrate Research</i> , 2017, 443-444, 23-28. | 2.3 | 2 |
| 17 | Synthesis of threo- and erythro-configured trihydroxy open chain lipophilic ketones as possible anti-mycobacterial agents. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 186-195. | 1.8 | 4 |
| 18 | Valuable building block for the synthesis of lunularic acid, hydrangeic acid and their analogues. <i>Natural Product Research</i> , 2017, 31, 1085-1090. | 1.8 | 3 |

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|----|--|-----|-----------|
| 19 | 1,1-Diarylethylene Glycols as Valuable Precursor for Synthesis of 1,1-Diarylethenes and 1,1-Diaryl Acetaldehydes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3594-3605. | 2.4 | 7 |
| 20 | Synthesis of C-Analogues of Glucogallin and Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7283-7294. | 2.4 | 5 |
| 21 | Convenient Synthesis of Glycosylated Isocoumarins. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 34-38. | 2.4 | 13 |
| 22 | Inhibition of the enzymes in the leukotriene and prostaglandin pathways in inflammation by 3-aryl isocoumarins. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 428-434. | 5.5 | 17 |
| 23 | Facile Formation of Acylated Hydroxymethyl furans from Open Chain Glucosyl Alkyl/ Aryl Ketones. <i>ChemistrySelect</i> , 2016, 1, 6004-6007. | 1.5 | 2 |
| 24 | Metal-free bipolar/octupolar organic dyes for DSSC application: A combined experimental and theoretical approach. <i>Organic Electronics</i> , 2016, 36, 177-184. | 2.6 | 24 |
| 25 | A Weinreb Amide Based Building Block for Convenient Access to 1,2-Diarylacroleins: Synthesis of Arylindanones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2637-2646. | 2.4 | 10 |
| 26 | Synthesis of Arylisocoumarins by Using Acyl Anion Chemistry and Synthesis of Thunberginol A and Cajanolactone A. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1797-1803. | 2.4 | 19 |
| 27 | Iodine Promoted Oxidative Conversion of Vinyl Diaryl Ketones into Acetyl Diaryl Ketones, Synthesis of Methyl Arylphthalazines as Analogues of Podophyllotoxin. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1066-1075. | 2.4 | 14 |
| 28 | A molecular level understanding of interaction between FTY720 (Fingolimod hydrochloride) and DMPC multilamellar vesicles. <i>RSC Advances</i> , 2014, 4, 17347-17353. | 3.6 | 4 |
| 29 | Study of the Chemoselectivity of Grignard Reagent Addition to Substrates Containing Both Nitrile and Weinreb Amide Functionalities. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4918-4932. | 2.4 | 12 |
| 30 | A Defunctionalization Concept for the Convenient Synthesis of Bis(arylfuran-2-yl)methane Scaffolds. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8083-8086. | 2.4 | 4 |
| 31 | Convenient Access to Acyl Substituted Bis(styryl)benzenes Based on Building Blocks Using Julia Olefination and Weinreb Amide Chemistry. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2216-2229. | 2.4 | 10 |
| 32 | Synthesis of (+)-Centrolobine and Its Analogues by Using Acyl Anion Chemistry. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2298-2302. | 2.4 | 17 |
| 33 | Weinreb Amide Based Building Block for Convenient Access to Vinyl Ketones. <i>Synlett</i> , 2013, 24, 1777-1780. | 1.8 | 8 |
| 34 | Convenient synthesis of d- and l-xylono-1,2,3,4-alkane tetrols from a d-gluco-configured common building block. <i>Carbohydrate Research</i> , 2012, 358, 23-30. | 2.3 | 11 |
| 35 | Convenient strategies for the synthesis of 1,4-phenylene spaced sugars. <i>Carbohydrate Research</i> , 2012, 347, 55-63. | 2.3 | 5 |
| 36 | Weinreb amide based building blocks for convenient access to 1,1-diarylethenes and isocombretastatin analogues. <i>Tetrahedron Letters</i> , 2011, 52, 2683-2686. | 1.4 | 9 |

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|----|---|-----|-----------|
| 37 | Synthesis of (+)-Varitriol Analogues via Novel and Versatile Building Blocks Based on Julia Olefination. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 555-564. | 2.4 | 37 |
| 38 | Weinreb Amide Based Building Blocks for Convenient Access to Analogues of Phenstatin. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4991-5003. | 2.4 | 7 |
| 39 | Weinreb amide based synthetic equivalents for convenient access to 4-aryl-1,2,3,4-tetrahydroisoquinolines. <i>Tetrahedron</i> , 2010, 66, 3723-3729. | 1.9 | 11 |
| 40 | A new distyrylbenzene derivative with Weinreb amide functionality: An efficient laser dye and nonlinear optical material. <i>Journal of Luminescence</i> , 2009, 129, 1094-1098. | 3.1 | 7 |
| 41 | 2-O-Benzoylation in D-Gluconamide Derivative Under Basic Conditions with Complete Retention of Stereo-Integrity: Convenient Access to 2-O-benzyl-3,4:5,6-di-O-isopropylidene-D-glucitol and other Differently Protected D-glucitol Derivatives. <i>Journal of Carbohydrate Chemistry</i> , 2009, 28, 264-277. | 1.1 | 5 |
| 42 | Attempted Methylenation of 1,2:3,4:5,6-Tri-O-isopropylidene-D-gluconolactone Using Benzoethiolane-2-thiylmethylsulfone Under Julia Conditions Yields an Unusual Product. <i>Journal of Carbohydrate Chemistry</i> , 2007, 26, 17-25. | 1.1 | 3 |
| 43 | Propargyl Bromide as an Excellent α -Bromoacetone Equivalent: A Convenient and New Route to α -Aroylacetones. <i>Journal of Organic Chemistry</i> , 2006, 71, 349-351. | 3.2 | 17 |
| 44 | New Reagent for Convenient Access to the α,β -Unsaturated N-Methoxy-N-methyl-amide Functionality by a Synthesis Based on the Julia Olefination Protocol. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2851-2855. | 2.4 | 25 |
| 45 | Efficient and Rapid Regioselective Deprotection of Isopropylidene Ketals. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 962-966. | 0.7 | 5 |
| 46 | Unambiguous Assignment of the Stereochemistry at the Anomeric Carbon in Methyl α -D-Arylglucopyranoside Derivative: A Representative of Products from our New Strategy for 2-Deoxy-Arylglucopyranosides. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 321-325. | 1.1 | 1 |
| 47 | Consequences of rigidity and conformational locking in a 4,4-dimethyl-1,3-dioxolane ring system during protection of internal diol. <i>Carbohydrate Research</i> , 2003, 338, 2899-2903. | 2.3 | 3 |
| 48 | Umpolung Strategy for the Synthesis of 2-Deoxy-C-aryl Glycosides: A Serendipitous, Efficient Route for C-Furanoside Analogues. <i>Organic Letters</i> , 2002, 4, 1739-1742. | 4.6 | 17 |
| 49 | Simple Synthetic Equivalents for the β -(N,N-Disubstituted)ethylamino Acyl Cation Synthons and their Applications. <i>Synthesis</i> , 2001, 2001, 2239-2246. | 2.3 | 12 |
| 50 | Synthesis and Application of N-Methoxy-N-methyl-2-phenylsulfonylacetamide as a Two-Carbon Homologating Agent. <i>Synthesis</i> , 2000, 2000, 375-382. | 2.3 | 21 |