

# Indrapal Singh Aidhen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5903832/publications.pdf>

Version: 2024-02-01

50  
papers

641  
citations

687363

13  
h-index

677142

22  
g-index

60  
all docs

60  
docs citations

60  
times ranked

702  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	New Reagent for Convenient Access to the $\alpha,\beta$ -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
3	Novel Chemical Scaffolds to Inhibit the Neutral Amino Acid Transporter B0AT1 (SLC6A19), a Potential Target to Treat Metabolic Diseases. <i>Frontiers in Pharmacology</i> , 2020, 11, 140.	3.5	25
4	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
5	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
6	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
7	Synthesis of 3-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
8	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
9	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
10	Propargyl Bromide as an Excellent $\alpha$ -Bromoacetone Equivalent: A Convenient and New Route to $\alpha$ -Aroylacetones. <i>Journal of Organic Chemistry</i> , 2006, 71, 349-351.	3.2	17
11	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
12	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
13	Iodine-Promoted Oxidative Conversion of $\alpha$ -Vinyl Diaryl Ketones into $\alpha$ -Acetyl Diaryl Ketones, Synthesis of 1-Methyl-4-arylpthalazines as Analogues of Podophyllotoxin. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1066-1075.	2.4	14
14	Convenient Synthesis of 3-Glycosylated Isocoumarins. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 34-38.	2.4	13
15	Simple Synthetic Equivalents for the $\alpha$ -(N,N-Disubstituted)ethylamino Acyl Cation Synthone and their Applications. <i>Synthesis</i> , 2001, 2001, 2239-2246.	2.3	12
16	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
17	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
18	Convenient synthesis of d- and l-xylo-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

#	ARTICLE	IF	CITATIONS
19	Acyl and Benzyl $\alpha$ -D-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
20	Synthesis of $\alpha$ -D-Glucosylated Isoliquiritigenin and Analogues for Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3937-3948.	2.4	11
21	Convenient Access to Acyl-Substituted Bis(styrylbenzenes) 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
22	A Weinreb Amide Based Building Block for Convenient Access to $\alpha$ -Diarylacroleins: Synthesis of $\alpha$ -Arylindanones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2637-2646.	2.4	10
23	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
24	Synthesis of Benzyl $\alpha$ -Analogues of Dapagliflozin as Potential SGLT2 Inhibitors. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1828-1839.	2.4	10
25	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
26	Weinreb Amide Based Building Block for Convenient Access to Vinyl Ketones. <i>Synlett</i> , 2013, 24, 1777-1780.	1.8	8
27	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
28	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
29	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
30	$\alpha$ -Diarylethylene Glycols as Valuable Precursor for Synthesis of 1,1-Diarylethenes and $\alpha$ -Diaryl Acetaldehydes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3594-3605.	2.4	7
31	Convenient Access to $\alpha$ -Glucopyranosylpyridines by Using Bohlmann-Raetz Heteroannulation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5744-5753.	2.4	7
32	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
33	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
34	Convenient strategies for the synthesis of 1,4-phenylene spaced sugars. <i>Carbohydrate Research</i> , 2012, 347, 55-63.	2.3	5
35	Synthesis of $\alpha$ -Analogues of $\alpha$ -Glucogallin and Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7283-7294.	2.4	5
36	Bioactive C-glycosides inspired from natural products towards therapeutics. , 2020, , 97-153.		5

#	ARTICLE	IF	CITATIONS
37	A Defunctionalization Concept for the Convenient Synthesis of Bis(5-arylfuran) methane Scaffolds. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8083-8086.	2.4	4
38	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
39	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
40	Design of Cone-Shaped Hole Transporting Material Organic Structures for Perovskite Solar Cells Applications. <i>ChemistrySelect</i> , 2018, 3, 8159-8166.	1.5	4
41	Natural Products & Bioactivity Inspired Synthetic Pursuits Interfacing with Carbohydrates: Ongoing Journey with Glycosides. <i>Chemical Record</i> , 2021, 21, 3131-3177.	5.8	4
42	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
43	Attempted Methylenation of 1,2:3,4:5,6-Tri-O-isopropylidene- $\alpha$ -D-glucuronolactone Using Benzothiazol-2-ylmethylsulfone Under Julia Conditions Yields an Unusual Product. <i>Journal of Carbohydrate Chemistry</i> , 2007, 26, 17-25.	1.1	3
44	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
45	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
46	Facile Formation of 5-Acylated-2-hydroxymethyl-furans from Open Chain D-Glucosyl-Alkyl/ Aryl Ketones. <i>ChemistrySelect</i> , 2016, 1, 6004-6007.	1.5	2
47	Stereoselective total synthesis of Oxylipin from open chain gluco-configured building block. <i>Carbohydrate Research</i> , 2017, 443-444, 23-28.	2.3	2
48	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
49	Total Synthesis of Natural Product Piperodione and Its Analogues. <i>ChemistrySelect</i> , 2018, 3, 5975-5980.	1.5	2
50	Unambiguous Assignment of the Stereochemistry at the Anomeric Carbon in Methyl- $\alpha$ -D-Aryl-galactopyranoside Derivative: A Representative of Products from our New Strategy for 2-Deoxy- $\alpha$ -Aryl-galactopyranosides. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 321-325.	1.1	1