

# Varun Rawat

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

229  
citations

933447

10  
h-index

996975

15  
g-index

24  
all docs

24  
docs citations

24  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of synthetic methods and applications of photoluminescence properties of carbon quantum dots. <i>Luminescence</i> , 2023, 38, 845-866.	2.9	12
2	Investigation of properties and applications of ZnO polymer nanocomposites. <i>Polymer Bulletin</i> , 2023, 80, 3507-3545.	3.3	12
3	Synthesis, molecular docking and dynamics study of novel epoxide derivatives of 1,2,4-trioxanes as antimalarial agents. <i>Structural Chemistry</i> , 2022, 33, 907-919.	2.0	5
4	Synthesis of 4-Aryldihydrocoumarins via a Sequential Michael Addition–Lactonization Route. <i>Current Organocatalysis</i> , 2021, 08, .	0.5	1
5	Novel naphthyl based 1,2,4-trioxanes: Synthesis and in vivo efficacy in the <i>Plasmodium yoelii nigeriensis</i> in Swiss mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 51, 128372.	2.2	5
6	Magnetic Spinel Ferrite: An Efficient, Reusable Nano Catalyst for HMFSynthesis. <i>Current Catalysis</i> , 2021, 10, .	0.5	0
7	A Convenient 5-exo-dig Cyclization Route to Diastereomerically Pure Methyl (2S)-2-(1-benzyl-3-oxo-1,3-dihydro-2H-isoindol-2-yl)-3-methylbutanoate. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 1370-1374.	1.2	2
8	The Coordination Behavior of Oxygen–depleted Calixarenes towards $10^{\sup>10\sup>}$ Noble Metal Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 904-908.	1.2	5
9	Facile synthesis of CuFe <sub>2</sub> O <sub>4</sub> doped polyacrylic acid hydrogel nanocomposite and its application in dye degradation. <i>Materials Letters</i> , 2019, 252, 198-201.	2.6	21
10	Synthesis and characterization of oxygen depleted tert-amine calix[4]arene ligands and study the effect on sigma non-opioid intracellular protein receptor. <i>Structural Chemistry</i> , 2019, 30, 1899-1910.	2.0	1
11	Catalytic application of zinc complex of oxygen depleted 1,3-bis(pyrazole)-p-tert-butylcalix[4]arene. <i>Tetrahedron Letters</i> , 2019, 60, 796-799.	1.4	6
12	Straightforward synthesis and catalytic applications of rigid N,O-type calixarene ligands. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11189-11193.	2.8	14
13	Iron chemistry of an asymmetrically substituted, triazole-functionalised calixarene ligand. <i>Supramolecular Chemistry</i> , 2014, 26, 530-537.	1.2	0
14	A short enantioselective synthesis of 3-epi-jaspine B and (+)-oxybiotin via an intramolecular tandem desilylation oxa-Michael addition strategy. <i>RSC Advances</i> , 2014, 4, 49770-49774.	3.6	16
15	Proline catalyzed sequential $\pm$ -aminoxylation or -amination/reductive cyclization of o-nitrohydrocinnamaldehydes: a high yield synthesis of chiral 3-substituted tetrahydroquinolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3608.	2.8	19
16	Asymmetric synthesis of (+)-stagonolide C and ( $\hat{\sim}$ )-aspinolide A via organocatalysis. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1534-1541.	1.8	23
17	Synthesis of the anti-influenza agent ( $\hat{\sim}$ )-oseltamivir free base and ( $\hat{\sim}$ )-methyl 3-epi-shikimate. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3988.	2.8	18
18	Pd-catalyzed selective hydrosilylation of aryl ketones and aldehydes. <i>Tetrahedron Letters</i> , 2012, 53, 148-150.	1.4	18

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19	A Novel Synthesis and Characterization of Titanium Superoxide and its Application in Organic Oxidative Processes. <i>Catalysis Surveys From Asia</i> , 2010, 14, 21-32.	2.6	12
20	A facile enantioselective synthesis of (S)-N-(5-chlorothiophene-2-sulfonyl)- $\beta$ , $\beta$ -diethylalaninol via proline-catalyzed asymmetric $\alpha$ -aminoxylation and $\alpha$ -amination of aldehyde. <i>Tetrahedron Letters</i> , 2010, 51, 6565-6567.	1.4	21
21	A concise enantioselective synthesis of (+)-decarestrictine L via proline-catalyzed sequential $\alpha$ -aminoxylation and Horner-Wadsworth-Emmons olefination. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2173-2177.	1.8	18