Vikramaditya G Yadav

List of Publications by Year
in descending order

38 papers	1,009 citations	686830 13 h-index	454577 30 g-index
38 all docs	38 docs citations	38 times ranked	1804 citing authors

#	Article	IF	Citations
1	Polyketide synthases (PKSs) of secondary metabolism: in silico identification and characterization in orchids. Journal of Biomolecular Structure and Dynamics, 2023, 41, 5486-5498.	2.0	1
2	Vaccine production and supply need a paradigm change. Canadian Journal of Chemical Engineering, 2022, 100, 1670-1675.	0.9	4
3	Continuous ex situ recovery of volatile monoterpenoids produced by genetically engineered Escherichia coli. Canadian Journal of Chemical Engineering, 2022, 100, 2204-2216.	0.9	0
4	A Pichia biosensor for highâ€throughput analyses of compounds that can influence mosquito behavior. MicrobiologyOpen, 2021, 10, e1139.	1.2	3
5	The Mechanical Properties of Neurospheres. Advanced Engineering Materials, 2021, 23, 2100172.	1.6	3
6	Transcriptome Analysis of Environmental Pseudomonas Isolates Reveals Mechanisms of Biodegradation of Naphthenic Acid Fraction Compounds (NAFCs) in Oil Sands Tailings. Microorganisms, 2021, 9, 2124.	1.6	1
7	Optogenetic Control of Heterologous Metabolism in E. coli. ACS Synthetic Biology, 2020, 9, 2291-2300.	1.9	17
8	Harnessing emerging paradigms in chemical engineering to accelerate the development of pharmaceutical products. Canadian Journal of Chemical Engineering, 2020, 98, 2294-2300.	0.9	2
9	Engineering Microbes for Remediation of Oil Sands Tailings. Trends in Biotechnology, 2020, 38, 1192-1196.	4.9	4
10	The production of fuels and chemicals in the new world: critical analysis of the choice between crude oil and biomass vis-Ã-vis sustainability and the environment. Clean Technologies and Environmental Policy, 2020, 22, 1757-1774.	2.1	86
11	A potential gut punch to gastric cancer. Science Translational Medicine, 2020, 12, .	5.8	0
12	Improving the Rate of Translation of Tissue Engineering Products. Advanced Healthcare Materials, 2019, 8, e1900538.	3.9	15
13	Isolation of phenolic monomers from kraft lignin using a magnetically recyclable TEMPO nanocatalyst. Green Chemistry, 2019, 21, 785-791.	4.6	17
14	Brain Organoids: A New, Transformative Investigational Tool for Neuroscience Research. Advanced Biology, 2019, 3, e1800174.	3.0	4
15	A probiotic for treating cancer. Science Translational Medicine, 2019, 11, .	5.8	1
16	The hunt for a cure for Alzheimerâ€™s disease receives a timely boost. Science Translational Medicine, 2019, 11, .	5.8	4
17	Blood drive: Improving the yields of platelet cell manufacturing. Science Translational Medicine, 2019, 11, .	5.8	0
18	Keeping it simple: A higher-yielding process for manufacturing dendritic cells. Science Translational Medicine, 2019, 11, .	5.8	0

#	ARTICLE	IF	CITATIONS
19	A stimulus-responsive, in situ-forming, nanoparticle-laden hydrogel for ocular drug delivery. Drug Delivery and Translational Research, 2018, 8, 484-495.	3.0	35
20	A molecular switch that enhances productivity of bioprocesses for heterologous metabolite production. Molecular Systems Design and Engineering, 2018, 3, 550-559.	1.7	4
21	An Improved Whole-Cell Biosensor for the Discovery of Lignin-Transforming Enzymes in Functional Metagenomic Screens. ACS Synthetic Biology, 2018, 7, 392-398.	1.9	51
22	Bionic Manufacturing: Towards Cyborg Cells and Sentient Microbots. Trends in Biotechnology, 2018, 36, 483-487.	4.9	14
23	A Biogenic Photovoltaic Material. Small, 2018, 14, e1800729.	5.2	16
24	Biogenic Photovoltaics: A Biogenic Photovoltaic Material (Small 26/2018). Small, 2018, 14, 1870121.	5.2	0
25	Metagenomic discovery of a novel transaminase for valorization of monoaromatic compounds. RSC Advances, 2018, 8, 22490-22497.	1.7	10
26	Cheminformatic Analysis of Antimalarial Chemical Space Illuminates Therapeutic Mechanisms and Offers Strategies for Therapy Development. Journal of Chemical Information and Modeling, 2017, 57, 2119-2131.	2.5	4
27	Towards Precision Engineering of Canonical Polyketide Synthase Domains: Recent Advances and Future Prospects. Molecules, 2017, 22, 235.	1.7	23
28	The Impending Renaissance in Discovery & Development of Natural Products. Current Topics in Medicinal Chemistry, 2016, 17, 251-267.	1.0	10
29	Unraveling the multispecificity and catalytic promiscuity of taxadiene monooxygenase. Journal of Molecular Catalysis B: Enzymatic, 2014, 110, 154-164.	1.8	18
30	Combining Metabolic Pathway Design and Retrosynthetic Planning for the Design of a Novel Semisynthetic Manufacturing Scheme for Paclitaxel. Organic Process Research and Development, 2014, 18, 816-826.	1.3	4
31	Metabolic Engineering: The Ultimate Paradigm for Continuous Pharmaceutical Manufacturing. ChemSusChem, 2014, 7, 1847-1853.	3.6	14
32	Biosynthonics: Charting the Future Role of Biocatalysis and Metabolic Engineering in Drug Discovery. Industrial & Engineering Chemistry Research, 2014, 53, 18597-18610.	1.8	3
33	The future of metabolic engineering and synthetic biology: Towards a systematic practice. Metabolic Engineering, 2012, 14, 233-241.	3.6	277
34	Science Communication Competition. Biochemist, 2012, 34, 32-35.	0.2	0
35	De Novo Metabolic Engineering and the Promise of Synthetic DNA. , 2010, 120, 101-131.		8
36	Reevaluating synthesis by biology. Current Opinion in Microbiology, 2010, 13, 371-376.	2.3	19

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37	Microscale hydrogels for medicine and biology: synthesis, characteristics and applications. Journal of Mechanics of Materials and Structures, 2007, 2, 1103-1119.	0.4	58
38	Cell and Protein Compatibility of Parylene-C Surfaces. Langmuir, 2007, 23, 11718-11725.	1.6	279