

Vikramaditya G Yadav

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2931660/publications.pdf>

Version: 2024-02-01

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	Cell and Protein Compatibility of Parylene-C Surfaces. <i>Langmuir</i> , 2007, 23, 11718-11725.	1.6	279
2	The future of metabolic engineering and synthetic biology: Towards a systematic practice. <i>Metabolic Engineering</i> , 2012, 14, 233-241.	3.6	277
3	The production of fuels and chemicals in the new world: critical analysis of the choice between crude oil and biomass vis-À-vis sustainability and the environment. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1757-1774.	2.1	86
4	Microscale hydrogels for medicine and biology: synthesis, characteristics and applications. <i>Journal of Mechanics of Materials and Structures</i> , 2007, 2, 1103-1119.	0.4	58
5	An Improved Whole-Cell Biosensor for the Discovery of Lignin-Transforming Enzymes in Functional Metagenomic Screens. <i>ACS Synthetic Biology</i> , 2018, 7, 392-398.	1.9	51
6	A stimulus-responsive, in situ-forming, nanoparticle-laden hydrogel for ocular drug delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 484-495.	3.0	35
7	Towards Precision Engineering of Canonical Polyketide Synthase Domains: Recent Advances and Future Prospects. <i>Molecules</i> , 2017, 22, 235.	1.7	23
8	Reevaluating synthesis by biology. <i>Current Opinion in Microbiology</i> , 2010, 13, 371-376.	2.3	19
9	Unraveling the multispecificity and catalytic promiscuity of taxadiene monooxygenase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 154-164.	1.8	18
10	Isolation of phenolic monomers from kraft lignin using a magnetically recyclable TEMPO nanocatalyst. <i>Green Chemistry</i> , 2019, 21, 785-791.	4.6	17
11	Optogenetic Control of Heterologous Metabolism in <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2020, 9, 2291-2300.	1.9	17
12	A Biogenic Photovoltaic Material. <i>Small</i> , 2018, 14, e1800729.	5.2	16
13	Improving the Rate of Translation of Tissue Engineering Products. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900538.	3.9	15
14	Metabolic Engineering: The Ultimate Paradigm for Continuous Pharmaceutical Manufacturing. <i>ChemSusChem</i> , 2014, 7, 1847-1853.	3.6	14
15	Bionic Manufacturing: Towards Cyborg Cells and Sentient Microbots. <i>Trends in Biotechnology</i> , 2018, 36, 483-487.	4.9	14
16	Metagenomic discovery of a novel transaminase for valorization of monoaromatic compounds. <i>RSC Advances</i> , 2018, 8, 22490-22497.	1.7	10
17	The Impending Renaissance in Discovery & Development of Natural Products. <i>Current Topics in Medicinal Chemistry</i> , 2016, 17, 251-267.	1.0	10
18	De Novo Metabolic Engineering and the Promise of Synthetic DNA. , 2010, 120, 101-131.		8

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19	Combining Metabolic Pathway Design and Retrosynthetic Planning for the Design of a Novel Semisynthetic Manufacturing Scheme for Paclitaxel. <i>Organic Process Research and Development</i> , 2014, 18, 816-826.	1.3	4
20	Cheminformatic Analysis of Antimalarial Chemical Space Illuminates Therapeutic Mechanisms and Offers Strategies for Therapy Development. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2119-2131.	2.5	4
21	A molecular switch that enhances productivity of bioprocesses for heterologous metabolite production. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 550-559.	1.7	4
22	Brain Organoids: A New, Transformative Investigational Tool for Neuroscience Research. <i>Advanced Biology</i> , 2019, 3, e1800174.	3.0	4
23	Engineering Microbes for Remediation of Oil Sands Tailings. <i>Trends in Biotechnology</i> , 2020, 38, 1192-1196.	4.9	4
24	The hunt for a cure for Alzheimer's disease receives a timely boost. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	4
25	Vaccine production and supply need a paradigm change. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 1670-1675.	0.9	4
26	Biosynthetics: Charting the Future Role of Biocatalysis and Metabolic Engineering in Drug Discovery. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18597-18610.	1.8	3
27	A <i>Pichia</i> biosensor for high-throughput analyses of compounds that can influence mosquito behavior. <i>MicrobiologyOpen</i> , 2021, 10, e1139.	1.2	3
28	The Mechanical Properties of Neurospheres. <i>Advanced Engineering Materials</i> , 2021, 23, 2100172.	1.6	3
29	Harnessing emerging paradigms in chemical engineering to accelerate the development of pharmaceutical products. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2294-2300.	0.9	2
30	A probiotic for treating cancer. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	1
31	Transcriptome Analysis of Environmental <i>Pseudomonas</i> Isolates Reveals Mechanisms of Biodegradation of Naphthenic Acid Fraction Compounds (NAFCs) in Oil Sands Tailings. <i>Microorganisms</i> , 2021, 9, 2124.	1.6	1
32	Polyketide synthases (PKSs) of secondary metabolism: <i>in silico</i> identification and characterization in orchids. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 5486-5498.	2.0	1
33	Biogenic Photovoltaics: A Biogenic Photovoltaic Material (Small 26/2018). <i>Small</i> , 2018, 14, 1870121.	5.2	0
34	Science Communication Competition. <i>Biochemist</i> , 2012, 34, 32-35.	0.2	0
35	Blood drive: Improving the yields of platelet cell manufacturing. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	0
36	Keeping it simple: A higher-yielding process for manufacturing dendritic cells. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	0

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37	A potential gut punch to gastric cancer. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	0
38	Continuous ex situ recovery of volatile monoterpenoids produced by genetically engineered <i>Escherichia coli</i> . <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2204-2216.	0.9	0