

Lalita Ledwani

List of Publications by Year in descending order

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29
papers

626
citations

759233

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h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of nanoparticles: Their advantages and disadvantages. AIP Conference Proceedings, 2016, , .	0.4	284
2	Cyanobacteria as efficient producers of mycosporine-like amino acids. Journal of Basic Microbiology, 2017, 57, 715-727.	3.3	45
3	The removal of impurities from gray cotton fabric by atmospheric pressure plasma treatment and its characterization using ATR-FTIR spectroscopy. Journal of the Textile Institute, 2014, 105, 586-596.	1.9	36
4	Use of dielectric barrier discharge in air for surface modification of polyester substrate to confer durable wettability and enhance dye uptake with natural dye eco-alizarin. Composite Interfaces, 2012, 19, 219-229.	2.3	28
5	Biosynthesis of hematite nanoparticles using Rheum emodi and their antimicrobial and anticancerous effects in vitro. Journal of Photochemistry and Photobiology B: Biology, 2020, 206, 111841.	3.8	23
6	A theoretical analysis of bi-metallic (Cu-Ag) _{n = 1-7} nano alloy clusters invoking DFT based descriptors. Materials Science-Poland, 2015, 33, 719-724.	1.0	21
7	Investigation of Antimicrobial Activity of DBD Air Plasma-Treated Banana Fabric Coated with Natural Leaf Extracts. ACS Omega, 2020, 5, 19034-19049.	3.5	20
8	Eco-friendly surface modification of natural fibres to improve dye uptake using natural dyes and application of natural dyes in fabric finishing: A review. Materials Today: Proceedings, 2021, 43, 2868-2871.	1.8	20
9	Synthesis of anthraquinone-capped TiO ₂ nanoparticles using R. emodi roots: preparation, characterization and cytotoxic potential. Rendiconti Lincei, 2018, 29, 649-658.	2.2	18
10	An Investigation of Physicochemical and Biological Properties of Rheum emodi-Mediated Bimetallic Ag-Cu Nanoparticles. Arabian Journal for Science and Engineering, 2021, 46, 275-285.	3.0	16
11	Bacterial Weathering of Asbestos. Silicon, 2015, 7, 419-431.	3.3	15
12	Surface Modification by Atmospheric Pressure Air Plasma Treatment to Improve Dyeing with Natural Dyes: An Environment Friendly Approach for Leather Processing. Plasma Chemistry and Plasma Processing, 2016, 36, 599-613.	2.4	15
13	Nonthermal plasma: A promising green technology to improve environmental performance of textile industries. , 2019, , 199-249.		15
14	Non-thermal plasma treatment of cellulosic biopolymer to enhance its surface property for various applications: A review. Materials Today: Proceedings, 2021, 43, 3250-3255.	1.8	11
15	<i>In vitro</i> and <i>in silico</i> molecular docking studies of <i>Rheum emodi</i>-derived diamagnetic SnO ₂ nanoparticles and their cytotoxic effects against breast cancer. New Journal of Chemistry, 2021, 45, 1695-1711.	2.8	9
16	Fungal weathering of asbestos in semi arid regions of India. Ecotoxicology and Environmental Safety, 2016, 124, 186-192.	6.0	8
17	Eco-friendly Surface Modification and Nanofinishing of Textile Polymers to Enhance Functionalisation. Green Energy and Technology, 2020, , 529-559.	0.6	7
18	Microwave assisted modification of graphene oxide: Characterization and application for adsorptive removal of cationic dye. Materials Today: Proceedings, 2021, 43, 3277-3285.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Structural and physicochemical properties of Rheum emodi mediated Mg(OH) ₂ nanoparticles and their antibacterial and cytotoxic potential. IET Nanobiotechnology, 2020, 14, 858-863.	3.8	5
20	Antimicrobial finishing of hide/leather by atmospheric pressure plasma and extracts of Cassia renigera and Cassia fistula bark. Rendiconti Lincei, 2020, 31, 1105-1116.	2.2	4
21	Green Synthesis of Zinc Oxide Nanoparticles Mediated from <i>Cassia renigera</i> Bark and Detect Its Effects on Four Varieties of Rice. ChemistrySelect, 2022, 7, .	1.5	4
22	Evaluation of Efficacy of <i>Cassia renigera</i> Leaf Extract Mediated ZnO Nanoparticles as Nano Fertilizer for Cauliflower Plant. ChemistrySelect, 2022, 7, .	1.5	4
23	Siderophores, the answer for micro to nanosized asbestos fibre related health hazard. AIP Conference Proceedings, 2016, , .	0.4	3
24	Cellulase Enzyme Based Wet Pretreatment of Lotus Fabric to Improve Antimicrobial Finishing with <i>A. indica</i> Extract and Enhance Natural Dyeing: Sustainable Approach for Textile Finishing. ChemistrySelect, 2022, 7, .	1.5	3
25	An efficient method for DNA extraction from cyanobacteria isolated from hypersaline and marine environments. Journal of Phycology, 2019, 55, 733-737.	2.3	2
26	Microbial siderophores an envisaged tool for asbestos bioremediation – A microcosm approach. Materials Today: Proceedings, 2021, 43, 3110-3116.	1.8	2
27	Improvement in Natural Dyeing with the Aid of Atmospheric Pressure Plasma Treatment: A Green Solution for Leather Processing. Current Environmental Engineering, 2017, 4, .	0.6	2
28	Cytotoxic potential of Rheum emodi capped silver nanoparticles and In silico study of human CDK-4/6 proteins with hydroxyanthraquinones. Journal of the Indian Chemical Society, 2021, 98, 100136.	2.8	1
29	Photocatalytic and Other Similar Green Technologies for Reducing Environmental Impacts of Leather Industries. Green Chemistry and Sustainable Technology, 2022, , 477-511.	0.7	0