

Lalita Ledwani

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Photocatalytic and Other Similar Green Technologies for Reducing Environmental Impacts of Leather Industries. <i>Green Chemistry and Sustainable Technology</i> , 2022, , 477-511.	0.7	0
2	Green Synthesis of Zinc Oxide Nanoparticles Mediated from <i>Cassia renigera</i> Bark and Detect Its Effects on Four Varieties of Rice. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
3	Evaluation of Efficacy of <i>Cassia renigera</i> Leaf Extract Mediated ZnO Nanoparticles as Nano Fertilizer for Cauliflower Plant. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
4	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. <i>ChemistrySelect</i> , 2022, 7, .	1.5	3
5	An Investigation of Physicochemical and Biological Properties of Rheum emodi-Mediated Bimetallic Ag-Cu Nanoparticles. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 275-285.	3.0	16
6	Microbial siderophores an envisaged tool for asbestos bioremediation – A microcosm approach. <i>Materials Today: Proceedings</i> , 2021, 43, 3110-3116.	1.8	2
7	Non-thermal plasma treatment of cellulosic biopolymer to enhance its surface property for various applications: A review. <i>Materials Today: Proceedings</i> , 2021, 43, 3250-3255.	1.8	11
8	<i>In vitro</i> and <i>in silico</i> molecular docking studies of Rheum emodi-derived diamagnetic SnO ₂ nanoparticles and their cytotoxic effects against breast cancer. <i>New Journal of Chemistry</i> , 2021, 45, 1695-1711.	2.8	9
9	Microwave assisted modification of graphene oxide: Characterization and application for adsorptive removal of cationic dye. <i>Materials Today: Proceedings</i> , 2021, 43, 3277-3285.	1.8	5
10	Cytotoxic potential of Rheum emodi capped silver nanoparticles and <i>In silico</i> study of human CDK-4/6 proteins with hydroxyanthraquinones. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100136.	2.8	1
11	Eco-friendly surface modification of natural fibres to improve dye uptake using natural dyes and application of natural dyes in fabric finishing: A review. <i>Materials Today: Proceedings</i> , 2021, 43, 2868-2871.	1.8	20
12	Investigation of Antimicrobial Activity of DBD Air Plasma-Treated Banana Fabric Coated with Natural Leaf Extracts. <i>ACS Omega</i> , 2020, 5, 19034-19049.	3.5	20
13	Antimicrobial finishing of hide/leather by atmospheric pressure plasma and extracts of <i>Cassia renigera</i> and <i>Cassia fistula</i> bark. <i>Rendiconti Lincei</i> , 2020, 31, 1105-1116.	2.2	4
14	Biosynthesis of hematite nanoparticles using Rheum emodi and their antimicrobial and anticancerous effects <i>in vitro</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 206, 111841.	3.8	23
15	Eco-friendly Surface Modification and Nanofinishing of Textile Polymers to Enhance Functionalisation. <i>Green Energy and Technology</i> , 2020, , 529-559.	0.6	7
16	Structural and physicochemical properties of Rheum emodi mediated Mg(OH) ₂ nanoparticles and their antibacterial and cytotoxic potential. <i>IET Nanobiotechnology</i> , 2020, 14, 858-863.	3.8	5
17	An efficient method for DNA extraction from cyanobacteria isolated from hypersaline and marine environments. <i>Journal of Phycology</i> , 2019, 55, 733-737.	2.3	2
18	Nonthermal plasma: A promising green technology to improve environmental performance of textile industries. , 2019, , 199-249.		15

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19	Synthesis of anthraquinone-capped TiO ₂ nanoparticles using <i>R. emodi</i> roots: preparation, characterization and cytotoxic potential. <i>Rendiconti Lincei</i> , 2018, 29, 649-658.	2.2	18
20	Cyanobacteria as efficient producers of mycosporine-like amino acids. <i>Journal of Basic Microbiology</i> , 2017, 57, 715-727.	3.3	45
21	Improvement in Natural Dyeing with the Aid of Atmospheric Pressure Plasma Treatment: A Green Solution for Leather Processing. <i>Current Environmental Engineering</i> , 2017, 4, .	0.6	2
22	Green synthesis of nanoparticles: Their advantages and disadvantages. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	284
23	Surface Modification by Atmospheric Pressure Air Plasma Treatment to Improve Dyeing with Natural Dyes: An Environment Friendly Approach for Leather Processing. <i>Plasma Chemistry and Plasma Processing</i> , 2016, 36, 599-613.	2.4	15
24	Siderophores, the answer for micro to nanosized asbestos fibre related health hazard. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
25	Fungal weathering of asbestos in semi arid regions of India. <i>Ecotoxicology and Environmental Safety</i> , 2016, 124, 186-192.	6.0	8
26	Bacterial Weathering of Asbestos. <i>Silicon</i> , 2015, 7, 419-431.	3.3	15
27	A theoretical analysis of bi-metallic (Cu-Ag) _{n = 1 ~ 7} nano alloy clusters invoking DFT based descriptors. <i>Materials Science-Poland</i> , 2015, 33, 719-724.	1.0	21
28	The removal of impurities from gray cotton fabric by atmospheric pressure plasma treatment and its characterization using ATR-FTIR spectroscopy. <i>Journal of the Textile Institute</i> , 2014, 105, 586-596.	1.9	36
29	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. <i>Composite Interfaces</i> , 2012, 19, 219-229.	2.3	28