

Halan Prakash

List of Publications by Year in descending order

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27
papers

682
citations

623734

14
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar photo-Fenton oxidation for the removal of ampicillin, total cultivable and resistant E. coli and ecotoxicity from secondary-treated wastewater effluents. <i>Chemical Engineering Journal</i> , 2019, 355, 91-102.	12.7	86
2	Development of novel water-soluble photocleavable protective group and its application for design of photoresponsive paclitaxel prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5389-5397.	3.0	67
3	Determination of persulphates using N,N-diethyl-p-phenylenediamine as colorimetric reagent: Oxidative coloration and degradation of the reagent without bactericidal effect in water. <i>Chemical Engineering Journal</i> , 2016, 286, 223-231.	12.7	59
4	Degradation of Malachite green by Potassium persulphate, its enhancement by 1,8-dimethyl-1,3,6,8,10,13-hexaazacyclotetradecane nickel(II) perchlorate complex, and removal of antibacterial activity. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 19-27.	12.4	42
5	Photocontrol of Spatial Orientation and DNA Cleavage Activity of Copper(II)-Bound Dipeptides Linked by an Azobenzene Derivative. <i>Inorganic Chemistry</i> , 2008, 47, 5045-5047.	4.0	41
6	Direct correlation of the crystal structure of proteins with the maximum positive and negative charge states of gaseous protein ions produced by electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1409-1421.	2.8	38
7	Controlled Production of Amyloid β Peptide from a Photo-triggered, Water-soluble Precursor α -Click Peptide. <i>ChemBioChem</i> , 2008, 9, 3055-3065.	2.6	38
8	Photodegradation of methyl orange and photoinactivation of bacteria by visible light activation of persulphate using a tris(2,2'-bipyridyl)ruthenium(II) complex. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 456-466.	2.9	38
9	Evidence of Molecular Fragmentation inside the Charged Droplets Produced by Electrospray Process. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1707-17.	2.8	32
10	Spectral Analysis of Naturally Occurring Methylxanthines (Theophylline, Theobromine and Caffeine) Binding with DNA. <i>PLoS ONE</i> , 2012, 7, e50019.	2.5	32
11	Removal of basic and industrial azo reactive dyes from aqueous solutions via Fenton-like reactions using catalytic non-magnetic Pd-flyash and magnetic Pd-Fe ₃ O ₄ -flyash composite particles. <i>Separation and Purification Technology</i> , 2017, 172, 338-349.	7.9	27
12	Energy efficient photocatalytic activation of peroxymonosulfate by g-C ₃ N ₄ under 400 nm LED irradiation for degradation of Acid Orange 7. <i>Chemosphere</i> , 2022, 287, 132099.	8.2	23
13	Photo Augmented Copper-based Fenton Disinfection under Visible LED Light and Natural Sunlight Irradiation. <i>Water Research</i> , 2021, 190, 116719.	11.3	21
14	Mesoporous TiO ₂ Nanoparticles Containing Ag Ion with Excellent Antimicrobial Activity at Remarkable Low Silver Concentrations. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 664-673.	1.1	17
15	Visible light water disinfection using [Ru(bpy) ₂ (phendione)](PF ₆) ₂ ·2H ₂ O and [Ru(phendione) ₃]Cl ₂ ·2H ₂ O complexes and their effective adsorption onto activated carbon. <i>Separation and Purification Technology</i> , 2013, 109, 9-17.	7.9	14
16	Effects of salts on the charge-state distribution and the structural basis of the most-intense charge-state of the gaseous protein ions produced by electrospray ionization. <i>International Journal of Mass Spectrometry</i> , 2010, 289, 84-91.	1.5	13
17	DNA cleavage by oxymyoglobin and cysteine-introduced metmyoglobin. <i>Chemical Communications</i> , 2014, 50, 15034-15036.	4.1	13
18	Ion-exchange bonded H ₂ Ti ₃ O ₇ nanosheets-based magnetic nanocomposite for dye removal via adsorption and its regeneration via synergistic activation of persulfate. <i>RSC Advances</i> , 2016, 6, 80133-80144.	3.6	13

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19	Photooxidation of nickel(II) macrocyclic complexes by mono- and biphotonic processes from the charge-transfer to solvent excited states in aqueous solutions. <i>Chemical Physics Letters</i> , 2000, 329, 357-362.	2.6	12
20	Photooxidation of nickel(II) macrocyclic complexes on excitation in the charge-transfer-to-solvent band in aqueous solution and in the presence of oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 141, 17-24.	3.9	12
21	Flash photolysis studies of charge-transfer photochemistry of nickel(II) and cobalt(III) complexes. <i>Research on Chemical Intermediates</i> , 2003, 29, 349-364.	2.7	9
22	Adsorptive removal of lead ion from water using banana stem scutcher generated in fiber extraction process. <i>Results in Engineering</i> , 2022, 14, 100439.	5.1	9
23	Photooxidation of nickel(II) azamacrocyclic complexes to trivalent nickel complexes on excitation in the charge-transfer-to-solvent band. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 168, 81-90.	3.9	8
24	Succinylation of cytochrome c investigated by electrospray ionization mass spectrometry: Reactive lysine residues. <i>International Journal of Mass Spectrometry</i> , 2009, 281, 55-62.	1.5	8
25	Nickel azamacrocyclic complex activated persulphate based oxidative degradation of methyl orange: recovery and reuse of complex using adsorbents. <i>RSC Advances</i> , 2015, 5, 31716-31724.	3.6	5
26	Novel facile photochemical method for the synthesis of trivalent nickel azamacrocyclic complexes. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1071-1073.	3.9	3
27	Laser flash photolysis studies of tris(2,2'-bipyridine)nickel(II) ion in aqueous solution. <i>Inorganica Chimica Acta</i> , 2011, 372, 429-435.	2.4	2