

Kisan Kodam

List of Publications by Year in descending order

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66
papers

2,090
citations

236833

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docs citations

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times ranked

2879
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#	ARTICLE	IF	CITATIONS
1	Novel route for rapid biosynthesis of copper nanoparticles using aqueous extract of <i>Calotropis procera</i> L. latex and their cytotoxicity on tumor cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 284-288.	2.5	167
2	Green synthesis of TiO ₂ nanoparticles by using aqueous extract of <i>Jatropha curcas</i> L. latex. <i>Materials Letters</i> , 2012, 75, 196-199.	1.3	133
3	Microbial decolorization of reactive azo dyes under aerobic conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 367-370.	1.7	108
4	Decolorization and biodegradation of azo dye, reactive blue 59 by aerobic granules. <i>Bioresource Technology</i> , 2012, 104, 818-822.	4.8	94
5	Effective biotransformation and detoxification of anthraquinone dye reactive blue 4 by using aerobic bacterial granules. <i>Water Research</i> , 2017, 122, 603-613.	5.3	86
6	Chromate reduction by <i>Burkholderia cepacia</i> MCMB-821, isolated from the pristine habitat of alkaline crater lake. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 627-632.	1.7	81
7	Simultaneous decolorization of reactive Orange M2R dye and reduction of chromate by <i>Lysinibacillus</i> sp. KMK-A. <i>Journal of Hazardous Materials</i> , 2013, 262, 580-588.	6.5	81
8	Biodegradable biobased epoxy resin from karanja oil. <i>Polymer</i> , 2015, 72, 82-92.	1.8	79
9	Oxidation of arsenite by two $\hat{1}^2$ -proteobacteria isolated from soil. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2135-2145.	1.7	77
10	Latex-mediated synthesis of ZnS nanoparticles: green synthesis approach. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	72
11	Encapsulation of therapeutic lavender oil in an electrolyte assisted polyacrylonitrile nanofibres for antibacterial applications. <i>RSC Advances</i> , 2014, 4, 54892-54901.	1.7	65
12	Novel route for rapid biosynthesis of lead nanoparticles using aqueous extract of <i>Jatropha curcas</i> L. latex. <i>Materials Letters</i> , 2011, 65, 3170-3172.	1.3	58
13	Biodegradable bioepoxy resins based on epoxidized natural oil (cottonseed & algae) cured with citric and tartaric acids through solution polymerization: A renewable approach. <i>Industrial Crops and Products</i> , 2016, 89, 434-447.	2.5	55
14	Effective bioremoval and detoxification of textile dye mixture by <i>Alishewanella</i> sp. KMK6. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 881-889.	1.7	54
15	Molecular interactions and antimicrobial activity of curcumin (<i>Curcuma longa</i>) loaded polyacrylonitrile films. <i>Materials Chemistry and Physics</i> , 2014, 147, 934-941.	2.0	54
16	Characterization of <i>Roseomonas</i> and <i>Nocardioides</i> spp. for arsenic transformation. <i>Journal of Hazardous Materials</i> , 2016, 318, 742-750.	6.5	42
17	Biodegradation of thiocyanate using co-culture of <i>Klebsiella pneumoniae</i> and <i>Ralstonia</i> sp.. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1167-1174.	1.7	41
18	Decolorization of textile dyes by <i>Alishewanella</i> sp. KMK6. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 521-529.	1.7	40

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19	Biotransformation of nitroaromatics and their effects on mixed function oxidase system. <i>Enzyme and Microbial Technology</i> , 2005, 37, 527-533.	1.6	39
20	Problem Solving and Environmentally Benign Approach toward Diversity Oriented Synthesis of Novel 2-Amino-3-phenyl (or Alkyl) Sulfonyl-4 <i>H</i> -chromenes at Ambient Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3450-3464.	3.2	36
21	Toxicity study of ionic liquid, 1-butyl-3-methylimidazolium bromide on guppy fish, <i>Poecilia reticulata</i> and its biodegradation by soil bacterium <i>Rhodococcus hoagii</i> VRT1. <i>Journal of Hazardous Materials</i> , 2016, 320, 408-416.	6.5	32
22	Click chemistry based multicomponent approach in the synthesis of spirochromenocarbazole tethered 1,2,3-triazoles as potential anticancer agents. <i>Bioorganic Chemistry</i> , 2019, 85, 475-486.	2.0	30
23	Biomarker responses in the earthworm, <i>Dichogaster curgensis</i> exposed to fly ash polluted soils. <i>Ecotoxicology and Environmental Safety</i> , 2015, 118, 62-70.	2.9	29
24	Evaluation of risk assessment of new industrial pollutant, ionic liquids on environmental living systems. <i>Water Research</i> , 2017, 125, 237-248.	5.3	29
25	InÂvitro toxicological evaluation of ionic liquids and development of effective bioremediation process for their removal. <i>Environmental Pollution</i> , 2019, 250, 567-577.	3.7	29
26	Biodegradation of tributyl phosphate using <i>Klebsiella pneumoniae</i> sp. S3. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 919-929.	1.7	28
27	Synthesis and biological evaluation of novel 2,4,6-triazine derivatives as antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5075-5077.	1.0	27
28	Characterisation of hyper tolerant <i>Bacillus firmus</i> L-148 for arsenic oxidation. <i>Environmental Pollution</i> , 2020, 261, 114124.	3.7	27
29	Facile preparation of tetrahydro-5 <i>H</i> -pyrido[1,2,3- <i>de</i>]-1,4-benzoxazines via reductive cyclization of 2-(8-quinolinyl)ethanones and their antioxidant activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6259-6263.	1.0	25
30	Carbon dots-incorporated pH-responsive agarose-PVA hydrogel nanocomposites for the controlled release of norfloxacin drug. <i>Polymer Bulletin</i> , 2020, 77, 5323-5344.	1.7	24
31	Renewable Source Based Nonâ€biodegradable Polyurethane Coatings from Polyesteramide Prepared in Oneâ€Pot Using Oleic Acid. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1055-1063.	0.8	23
32	Assessment of arsenic oxidation potential of <i>Microvirga indica</i> S-MI1b sp. nov. in heavy metal polluted environment. <i>Chemosphere</i> , 2018, 195, 1-10.	4.2	23
33	An efficient synthesis of isoxazoline libraries of thiophene analogs and its antimycobacterial investigation. <i>Medicinal Chemistry Research</i> , 2014, 23, 4455-4463.	1.1	21
34	Enhanced Detoxification of Arsenic Under Carbon Starvation: A New Insight into Microbial Arsenic Physiology. <i>Current Microbiology</i> , 2017, 74, 614-622.	1.0	20
35	Encapsulation of rhodamine-6G within <i>p</i> -sulfonatocalix[n]arenes: NMR, photophysical behaviour and biological activities. <i>RSC Advances</i> , 2016, 6, 110206-110220.	1.7	19
36	Doxorubicin-Conjugated Innovative 16-mer DNA Aptamer-Based Annexin A1 Targeted Anti-Cancer Drug Delivery. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 21, 1074-1086.	2.3	19

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37	Lipase-mediated hydrolysis of flax seed oil for selective enrichment of $\hat{\pm}$ -linolenic acid. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 1246-1253.	1.0	18
38	Biodegradable and biocompatible agarose-poly (vinyl alcohol) hydrogel for the in vitro investigation of ibuprofen release. <i>Chemical Papers</i> , 2020, 74, 1965-1978.	1.0	17
39	<i>Alishewanella solinquinati</i> sp. nov., Isolated from Soil Contaminated with Textile Dyes. <i>Current Microbiology</i> , 2013, 67, 454-459.	1.0	16
40	Toxicity studies of <i>Trichodesmium erythraeum</i> (Ehrenberg, 1830) bloom extracts, from Phoenix Bay, Port Blair, Andamans. <i>Harmful Algae</i> , 2014, 40, 34-39.	2.2	15
41	Aggregation of ZnO Nanocrystallites Using Polyol Process for Dye (Reactive Red) Sensitized Solar Cell. <i>Macromolecular Symposia</i> , 2015, 347, 52-57.	0.4	14
42	A simple, efficient and green approach for the synthesis of palladium nanoparticles using Oxytocin: Application for ligand free Suzuki reaction and total synthesis of aspongpyrazine A. <i>Journal of Organometallic Chemistry</i> , 2020, 909, 121093.	0.8	13
43	Towards the Enhancement of Antimicrobial Efficacy and Hydrophobization of Chitosan. <i>Journal of Chitin and Chitosan Science</i> , 2014, 2, 273-279.	0.3	13
44	Highly efficient degradation of concentrated Rhodamine-B effluent using environment friendly needle-plate non-thermal plasma probe. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103783.	3.3	12
45	Synthesis and evaluation of pyrazole-incorporated monocarbonyl curcumin analogues as antiproliferative and antioxidant agents. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1658-1665.	0.8	10
46	Siderophore mediated mineralization of struvite: A novel greener route of sustainable phosphate management. <i>Water Research</i> , 2021, 203, 117511.	5.3	10
47	Validation of an in situ solidification/stabilization technique for hazardous barium and cyanide waste for safe disposal into a secured landfill. <i>Journal of Environmental Management</i> , 2010, 91, 1821-1830.	3.8	9
48	Synthesis and anti-proliferative activity of 3-deoxy-3-fluoro-2-C-hydroxymethyl-pyrimidine and purine nucleosides. <i>Tetrahedron</i> , 2017, 73, 6157-6163.	1.0	8
49	Crystal structures and biological activity of homologated (N)-n-alkylammonium salts of 2-bromo-3-oxido-1,4-naphthoquinone. <i>Structural Chemistry</i> , 2019, 30, 2257-2270.	1.0	8
50	Molecular structures and biological activities of (N)-n-alkylammonium 2-chloro-3-oxido-1,4-naphthoquinone salts. <i>Journal of Molecular Structure</i> , 2017, 1145, 309-320.	1.8	7
51	Proteomics study revealed altered proteome of <i>Dichogaster curgensis</i> upon exposure to fly ash. <i>Chemosphere</i> , 2016, 160, 104-113.	4.2	6
52	Effect of sulfamethazine on phenobarbital and benzo[a]pyrene induced hepatic microsomal mixed function oxidase system in rats. <i>Toxicology Letters</i> , 1996, 87, 25-30.	0.4	5
53	NTO Sensing by Fluorescence Quenching of a Pyoverdine Siderophore-A Mechanistic Approach. <i>ACS Omega</i> , 2020, 5, 9668-9673.	1.6	5
54	Oxidation of carbonyl compounds by whole-cell biocatalyst. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 457-461.	1.7	4

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55	Effect of a novel biphenyl compound, VMNS2e on ob/ob mice. European Journal of Pharmacology, 2011, 650, 472-478.	1.7	4
56	Mechanochemically processed silver decorated ZnO-eugenol composite nanocrystallites and their dual bactericidal modes. Materials Research Bulletin, 2019, 118, 110503.	2.7	4
57	New record of a bloom forming, genotoxic strain Nodularia strain (KT447209) from Andaman and Nicobar Islands, India. Chemosphere, 2017, 174, 315-320.	4.2	3
58	The Penultimate Tyrosine Residues are Critical for the Genotoxic Effect of Human Hemoglobin. Advances in Experimental Medicine and Biology, 2017, 977, 351-357.	0.8	3
59	Rapid and efficient sequestration of arsenic from contaminated water using hypertolerant <i>Bacillus</i> L-148 sp.: a two-step process. Green Chemistry, 2019, 21, 2245-2251.	4.6	3
60	Desferrioxamine E produced by an indigenous salt tolerant <i>Pseudomonas stutzeri</i> stimulates iron uptake of <i>Triticum aestivum</i> . Biocatalysis and Agricultural Biotechnology, 2021, 35, 102057.	1.5	3
61	Simultaneous purification and depolymerization of <i>Streptococcus pneumoniae</i> serotype 2 capsular polysaccharides by trifluoroacetic acid. Carbohydrate Polymers, 2021, 261, 117859.	5.1	3
62	Novel biphenyl compound, VMNS2e, ameliorates streptozotocin-induced diabetic nephropathy in rats. Journal of Diabetes, 2010, 2, 282-289.	0.8	2
63	Sulfamic acid-catalyzed, environmentally benign synthesis of bis-tetronic acids at ambient temperature. Research on Chemical Intermediates, 2017, 43, 141-152.	1.3	2
64	Primary screening for the toxicity of marine cyanobacteria <i>Lyngbya bouillonii</i> (Cyanophyceae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 2020, 40, 101510.	0.4	2
65	ZnO Photoelectrode for Textile Dye (Reactive Blue 59) Sensitized Solar Cell. Advanced Science Letters, 2014, 20, 1155-1158.	0.2	2
66	Partial depolymerization of capsular polysaccharides isolated from <i>Streptococcus pneumoniae</i> serotype 2 by various methods. Carbohydrate Research, 2022, 512, 108503.	1.1	2