Vinod Kumar

List of Publications by Year
in descending order

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33 papers	1,083 citations	471509 17 h-index	454955 30 g-index
34 all docs	34 docs citations	34 times ranked	1561 citing authors

#	Article	IF	Citations
1	Sustainable process for the production of cellulose by an Acetobacter pasteurianus RSV-4 (MTCC) Tj ETQq1 1 0.784314 rgBT /Overlock	4.9	16
2	Facile Synthesis of Nâ€Doped SnO₂ Nanoparticles: A Cocatalystâ€Free Promising Photocatalyst for Hydrogen Generation. ChemistrySelect, 2020, 5, 7775-7782.	1.5	13
3	Nano-Structured Dilute Magnetic Semiconductors for Efficient Spintronics at Room Temperature. Magnetochemistry, 2020, 6, 15.	2.4	63
4	Pyrrolothiazolones as Potential Inhibitors for the nsP2Bâ€nsP3 Protease of Dengue Virus and Their Mechanism of Synthesis. ChemistrySelect, 2019, 4, 9410-9419.	1.5	16
5	A Theoretical Model to Study the Interaction of Erythroâ€Noscapines with nsP3 protease of Chikungunya Virus. ChemistrySelect, 2019, 4, 4892-4900.	1.5	26
6	Facile Synthesis of Ceâ€“Doped SnO₂ Nanoparticles: A Promising Photocatalyst for Hydrogen Evolution and Dyes Degradation. ChemistrySelect, 2019, 4, 3722-3729.	1.5	28
7	Efficient and economic process for the production of bacterial cellulose from isolated strain of Acetobacter pasteurianus of RSV-4 bacterium. Bioresource Technology, 2019, 275, 430-433.	9.6	71
8	Distillery effluent as a potential medium for bacterial cellulose production: A biopolymer of great commercial importance. Bioresource Technology, 2018, 250, 922-926.	9.6	62
9	Nanotechnology: Nanomedicine, Nanotoxicity and Future Challenges. Nanoscience and Nanotechnology - Asia, 2018, 9, 64-78.	0.7	24
10	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by Rhizopus oryzae Lipase (ROL). Molecules, 2016, 21, 1499.	3.8	3
11	Efficient regioselective acylation of quercetin using Rhizopus oryzae lipase and its potential as antioxidant. Bioresource Technology, 2016, 218, 1246-1248.	9.6	24
12	Interesting cationic (Li+/Fe3+/Te6+) variations in new rocksalt ordered structures. Journal of Chemical Sciences, 2015, 127, 225-233.	1.5	16
13	Synthesis of Potential Bioactive Novel 7â€[2â€Hydroxyâ€3â€(1,2,3â€triazolâ€1â€yl)propyloxy]â€3â€alkylâ€4â€methylcoumarins. Journal of Heterocyclic Chemistry, 2015, 52, 1-14.	2.6	3
14	ORGANIC SYNTHESIS OF MAIZE STARCH-BASED POLYMER USINGRhizopus oryzaeLIPASE, SCALE UP, AND ITS CHARACTERIZATION. Preparative Biochemistry and Biotechnology, 2014, 44, 321-331.	1.9	8
15	Purification and Characterization of a Novel and Robust L-Asparaginase Having Low-Glutaminase Activity from Bacillus licheniformis: In Vitro Evaluation of Anti-Cancerous Properties. PLoS ONE, 2014, 9, e99037.	2.5	125
16	Eco-friendly methodology for efficient synthesis and scale-up of 2-ethylhexyl-p-methoxycinnamate using Rhizopus oryzae lipase and its biological evaluation. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 907-912.	3.0	12
17	Immobilization of Rhizopus oryzae lipase on magnetic Fe3O4-chitosan beads and its potential in phenolic acids ester synthesis. Biotechnology and Bioprocess Engineering, 2013, 18, 787-795.	2.6	39
18	Chemoenzymatic Synthesis of 3â€²-Deoxy-3â€²-(4-Substituted-Triazol-1-YL)-5-Methyluridine. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 646-659.	1.1	12

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19	Formation of honeycomb ordered monoclinic Li2M2TeO6 (M = Cu, Ni) and disordered orthorhombic Li2Ni2TeO6 oxides. Dalton Transactions, 2013, 42, 14992.	3.3	37
20	Novel Lithium-Containing Honeycomb Structures. Inorganic Chemistry, 2012, 51, 10471-10473.	4.0	48
21	Efficient production of l-asparaginase from Bacillus licheniformis with low-glutaminase activity: Optimization, scale up and acrylamide degradation studies. Bioresource Technology, 2012, 125, 11-16.	9.6	105
22	Production of Microbial Cellulose by a Bacterium Isolated from Fruit. Applied Biochemistry and Biotechnology, 2012, 167, 1157-1171.	2.9	51
23	Bioprocessing of Jatropha curcas seed oil and deoiled seed hulls for the production of biodiesel and biogas. Biomass and Bioenergy, 2012, 40, 13-18.	5.7	37
24	Optical and Photocatalytic Properties of Heavily F^{â€“}-Doped SnO₂ Nanocrystals by a Novel Single-Source Precursor Approach. Inorganic Chemistry, 2011, 50, 5637-5645.	4.0	130
25	Investigation of cation (Sn2+) and anion (N3â^') substitution in favor of visible light photocatalytic activity in the layered perovskite K2La2Ti3O10. Journal of Hazardous Materials, 2011, 189, 502-508.	12.4	59
26	Molecular activation energies (Î”Î¼*2) of L-lysine, L-tyrosine, L-proline, DL-alanine, glycerol, orcinol, iodine, DTAB, and TMSOI for blending with melamine-formaldehyde-polyvinylpyrrolidone polymer resin illustrated with SEM. Journal of Applied Polymer Science, 2010, 118, n/a-n/a.	2.6	3
27	Preparation and characterization of melamineâ€“formaldehydeâ€“polyvinylpyrrolidone polymer resin for better industrial uses over melamine resins. Journal of Applied Polymer Science, 2009, 114, 1870-1878.	2.6	28
28	SYNTHESIS AND SPECTROSCOPIC STUDIES OF Cu(II) COMPLEXES OF SOME LIGANDS CONTAINING THE AMIDE GROUP. Journal of Coordination Chemistry, 1993, 29, 33-43.	2.2	9
29	Evaluation of thermodynamic functions for complexation reactions involving bivalent metal ions and ethyl-2,3-dioxobutyrate-2p-bromophenylhydrazone. Journal of Chemical Sciences, 1992, 104, 543-547.	1.5	0
30	Energetics of the Acid-Catalyzed o-Cresol-Formaldehyde Reaction. Journal of Macromolecular Science Part A, Chemistry, 1984, 21, 1363-1374.	0.3	0
31	Kinetics of the Alkali-Catalyzed o-Cresol-Formaldehyde Reaction. Journal of Macromolecular Science Part A, Chemistry, 1979, 13, 143-152.	0.3	5
32	Kinetics and mechanism of the alkali-catalyzed p-cresolâ€“formaldehyde reaction. Journal of Applied Polymer Science, 1979, 23, 3575-3581.	2.6	2
33	An Insight of Nanomaterials in Tissue Engineering from Fabrication to Applications. Tissue Engineering and Regenerative Medicine, 0, , .	3.7	8