

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	Optical and Photocatalytic Properties of Heavily F ⁺ -Doped SnO ₂ Nanocrystals by a Novel Single-Source Precursor Approach. <i>Inorganic Chemistry</i> , 2011, 50, 5637-5645.	4.0	130
2	Purification and Characterization of a Novel and Robust L-Asparaginase Having Low-Glutaminase Activity from <i>Bacillus licheniformis</i> : In Vitro Evaluation of Anti-Cancerous Properties. <i>PLoS ONE</i> , 2014, 9, e99037.	2.5	125
3	Efficient production of l-asparaginase from <i>Bacillus licheniformis</i> with low-glutaminase activity: Optimization, scale up and acrylamide degradation studies. <i>Bioresource Technology</i> , 2012, 125, 11-16.	9.6	105
4	Efficient and economic process for the production of bacterial cellulose from isolated strain of <i>Acetobacter pasteurianus</i> of RSV-4 bacterium. <i>Bioresource Technology</i> , 2019, 275, 430-433.	9.6	71
5	Nano-Structured Dilute Magnetic Semiconductors for Efficient Spintronics at Room Temperature. <i>Magnetochemistry</i> , 2020, 6, 15.	2.4	63
6	Distillery effluent as a potential medium for bacterial cellulose production: A biopolymer of great commercial importance. <i>Bioresource Technology</i> , 2018, 250, 922-926.	9.6	62
7	Investigation of cation (Sn ²⁺) and anion (N ³⁻) substitution in favor of visible light photocatalytic activity in the layered perovskite K ₂ La ₂ Ti ₃ O ₁₀ . <i>Journal of Hazardous Materials</i> , 2011, 189, 502-508.	12.4	59
8	Production of Microbial Cellulose by a Bacterium Isolated from Fruit. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1157-1171.	2.9	51
9	Novel Lithium-Containing Honeycomb Structures. <i>Inorganic Chemistry</i> , 2012, 51, 10471-10473.	4.0	48
10	Immobilization of <i>Rhizopus oryzae</i> lipase on magnetic Fe ₃ O ₄ -chitosan beads and its potential in phenolic acids ester synthesis. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 787-795.	2.6	39
11	Bioprocessing of <i>Jatropha curcas</i> seed oil and deoiled seed hulls for the production of biodiesel and biogas. <i>Biomass and Bioenergy</i> , 2012, 40, 13-18.	5.7	37
12	Formation of honeycomb ordered monoclinic Li ₂ M ₂ TeO ₆ (M = Cu, Ni) and disordered orthorhombic Li ₂ Ni ₂ TeO ₆ oxides. <i>Dalton Transactions</i> , 2013, 42, 14992.	3.3	37
13	Preparation and characterization of melamine-formaldehyde-polyvinylpyrrolidone polymer resin for better industrial uses over melamine resins. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1870-1878.	2.6	28
14	Facile Synthesis of Ce ⁺ -Doped SnO ₂ Nanoparticles: A Promising Photocatalyst for Hydrogen Evolution and Dyes Degradation. <i>ChemistrySelect</i> , 2019, 4, 3722-3729.	1.5	28
15	A Theoretical Model to Study the Interaction of Erythro-Noscapines with nsP3 protease of Chikungunya Virus. <i>ChemistrySelect</i> , 2019, 4, 4892-4900.	1.5	26
16	Efficient regioselective acylation of quercetin using <i>Rhizopus oryzae</i> lipase and its potential as antioxidant. <i>Bioresource Technology</i> , 2016, 218, 1246-1248.	9.6	24
17	Nanotechnology: Nanomedicine, Nanotoxicity and Future Challenges. <i>Nanoscience and Nanotechnology - Asia</i> , 2018, 9, 64-78.	0.7	24
18	Interesting cationic (Li ⁺ /Fe ³⁺ /Te ⁶⁺) variations in new rocksalt ordered structures. <i>Journal of Chemical Sciences</i> , 2015, 127, 225-233.	1.5	16

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19	Pyrrrolothiazolones as Potential Inhibitors for the nsP2&nsP3 Protease of Dengue Virus and Their Mechanism of Synthesis. <i>ChemistrySelect</i> , 2019, 4, 9410-9419.	1.5	16
20	Sustainable process for the production of cellulose by an <i>Acetobacter pasteurianus</i> RSV-4 (MTCC) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.9	16
21	Facile Synthesis of N&Doped SnO₂ Nanoparticles: A Cocatalyst&Free Promising Photocatalyst for Hydrogen Generation. <i>ChemistrySelect</i> , 2020, 5, 7775-7782.	1.5	13
22	Chemoenzymatic Synthesis of 3&2-Deoxy-3&2-(4-Substituted-Triazol-1-YL)-5-Methyluridine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2013, 32, 646-659.	1.1	12
23	Eco-friendly methodology for efficient synthesis and scale-up of 2-ethylhexyl-p-methoxycinnamate using <i>Rhizopus oryzae</i> lipase and its biological evaluation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 907-912.	3.0	12
24	SYNTHESIS AND SPECTROSCOPIC STUDIES OF Cu(II) COMPLEXES OF SOME LIGANDS CONTAINING THE AMIDE GROUP. <i>Journal of Coordination Chemistry</i> , 1993, 29, 33-43.	2.2	9
25	ORGANIC SYNTHESIS OF MAIZE STARCH-BASED POLYMER USING <i>Rhizopus oryzae</i> LIPASE, SCALE UP, AND ITS CHARACTERIZATION. <i>Preparative Biochemistry and Biotechnology</i> , 2014, 44, 321-331.	1.9	8
26	An Insight of Nanomaterials in Tissue Engineering from Fabrication to Applications. <i>Tissue Engineering and Regenerative Medicine</i> , 0, , .	3.7	8
27	Kinetics of the Alkali-Catalyzed o-Cresol-Formaldehyde Reaction. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1979, 13, 143-152.	0.3	5
28	Molecular activation energies ($\hat{1}^{\hat{1}1/4*2}$) 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. <i>Journal of Applied Polymer Science</i> , 2010, 118, n/a-n/a.	2.6	3
29	Synthesis of Potential Bioactive Novel 7&2-Hydroxy&3&2-(1,2,3&2-triazol&1&2-yl)propyloxy]&3&2-Alkyl&4&2-methylcoumarins. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1-14.	2.6	3
30	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by <i>Rhizopus oryzae</i> Lipase (ROL). <i>Molecules</i> , 2016, 21, 1499.	3.8	3
31	Kinetics and mechanism of the alkali-catalyzed p-cresol&2-formaldehyde reaction. <i>Journal of Applied Polymer Science</i> , 1979, 23, 3575-3581.	2.6	2
32	Energetics of the Acid-Catalyzed o-Cresol-Formaldehyde Reaction. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1984, 21, 1363-1374.	0.3	0
33	Evaluation of thermodynamic functions for complexation reactions involving bivalent metal ions and ethyl-2,3-dioxobutyrate-2p-bromophenylhydrazone. <i>Journal of Chemical Sciences</i> , 1992, 104, 543-547.	1.5	0