

Nitin Kumar Singhal

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

550
citations

686830

13
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

698
citing authors

#	ARTICLE	IF	CITATIONS
1	Naked eye colorimetric detection of Escherichia coli using aptamer conjugated graphene oxide enclosed Gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129100.	4.0	68
2	Metallic/bimetallic magnetic nanoparticle functionalization for immobilization of Î±-amylase for enhanced reusability in bio-catalytic processes. <i>Bioresource Technology</i> , 2016, 214, 528-533.	4.8	53
3	Multi-target-directed triazole derivatives as promising agents for the treatment of Alzheimerâ€™s disease. <i>Bioorganic Chemistry</i> , 2019, 87, 572-584.	2.0	45
4	Development of a thermo-stable and recyclable magnetic nanobiocatalyst for bioprocessing of fruit processing residues and D-allulose synthesis. <i>Bioresource Technology</i> , 2018, 247, 633-639.	4.8	43
5	Nanotechnology-Based Approaches for the Detection of SARS-CoV-2. <i>Frontiers in Nanotechnology</i> , 2020, 2, .	2.4	38
6	Antibody assisted graphene oxide coated gold nanoparticles for rapid bacterial detection and near infrared light enhanced antibacterial activity. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129141.	4.0	38
7	Glycoconjugates coated gold nanorods based novel biosensor for optical detection and photothermal ablation of food borne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 207-215.	4.0	37
8	Evidence for Compromised Insulin Signaling and Neuronal Vulnerability in Experimental Model of Sporadic Alzheimerâ€™s Disease. <i>Molecular Neurobiology</i> , 2018, 55, 8916-8935.	1.9	29
9	Xylanase immobilization on magnetite and magnetite core/shell nanocomposites using two different flexible alkyl length organophosphonates: Linker length and shell effect on enzyme catalytic activity. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 590-599.	3.6	24
10	Multifunctional Mono-Triazole Derivatives Inhibit AÎ² ₄₂ Aggregation and Cu ²⁺ -Mediated AÎ² ₄₂ Aggregation and Protect Against AÎ² ₄₂ -Induced Cytotoxicity. <i>Chemical Research in Toxicology</i> , 2019, 32, 1824-1839.	1.7	23
11	Multiple thermostable enzyme hydrolases on magnetic nanoparticles: An immobilized enzyme-mediated approach to saccharification through simultaneous xylanase, cellulase and amylolytic glucanotransferase action. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1650-1658.	3.6	22
12	Identification of Guanosine 5â€²-diphosphate as Potential Iron Mobilizer: Preventing the Hepcidin-Ferroportin Interaction and Modulating the Interleukin-6/Stat-3 Pathway. <i>Scientific Reports</i> , 2017, 7, 40097.	1.6	19
13	Catalytic and highly regenerable aminic organoselenium antioxidants with cytoprotective effects. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2015-2022.	1.5	14
14	1,2,3-Triazole Î²-lactam conjugates as antimicrobial agents. <i>Heliyon</i> , 2020, 6, e04241.	1.4	13
15	Nanoglycocluster based diagnostic platform for colorimetric detection of bacteria; A comparative study analysing the effect of AuNPs size, linker length, and glycan diversity. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113969.	5.3	12
16	Effect of hepcidin antagonists on anemia during inflammatory disorders. , 2021, 226, 107877.		11
17	pH-Triggered, Synbiotic Hydrogel Beads for <i>In Vivo</i> Therapy of Iron Deficiency Anemia and Reduced Inflammatory Response. <i>ACS Applied Bio Materials</i> , 2021, 4, 7467-7484.	2.3	10
18	Graphene oxide and fluorescent aptamer based novel biosensor for detection of 25-hydroxyvitamin D3. <i>Scientific Reports</i> , 2021, 11, 23456.	1.6	9

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19	siRNA Mediated GSK3 β Knockdown Targets Insulin Signaling Pathway and Rescues Alzheimer's Disease Pathology: Evidence from <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 69-93.	4.0	9
20	Sensible graphene oxide differentiates macrophages and <i>Leishmania</i> : a bio-nano interplay in attenuating intracellular parasite. <i>RSC Advances</i> , 2020, 10, 27502-27511.	1.7	7
21	Liver Phosphoenolpyruvate Carboxykinase-1 Downregulation via siRNA-Functionalized Graphene Oxide Nanosheets Restores Glucose Homeostasis in a Type 2 Diabetes Mellitus <i>In Vivo</i> Model. <i>Bioconjugate Chemistry</i> , 2021, 32, 259-278.	1.8	7
22	Potential of Alginate Encapsulated Ferric Saccharate Microemulsions to Ameliorate Iron Deficiency in Mice. <i>Biological Trace Element Research</i> , 2016, 172, 179-192.	1.9	6
23	Twin Function of Zein-Zinc Coordination Complex: Wheat Nutrient Enrichment and Nanoshield against Pathogenic Infection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5877-5887.	3.2	6
24	Novel Liposome Encapsulated Guanosine Di Phosphate based Therapeutic Target against Anemia of Inflammation. <i>Scientific Reports</i> , 2018, 8, 17684.	1.6	5
25	Organophosphonate functionalized Au/Si@Fe ₃ O ₄ : Versatile carrier for enzyme immobilization. <i>Methods in Enzymology</i> , 2020, 630, 199-214.	0.4	2
26	2-Aryl-2,5-benzoxazoles: Synthesis, crystal structure and evaluation of cytotoxicity against cervical (HeLa) and liver (HepG2) cancer cell lines. <i>Journal of Molecular Structure</i> , 2022, 1265, 133386.	1.8	0