

Muhammad Nawaz Tahir

List of Publications by Year in descending order

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184
papers

7,691
citations

38660

50
h-index

64668

79
g-index

192
all docs

192
docs citations

192
times ranked

10458
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18753-18808.	5.2	563
2	COVID-19: A Global Challenge with Old History, <i>Epidemiology and Progress So Far</i> . <i>Molecules</i> , 2021, 26, 39.	1.7	296
3	Extraordinary Performance of Carbon-Coated Anatase TiO ₂ as Sodium-Ion Anode. <i>Advanced Energy Materials</i> , 2016, 6, 1501489.	10.2	205
4	Hydrogen Peroxide Sensing with Horseradish Peroxidase-Modified Polymer Single Conical Nanochannels. <i>Analytical Chemistry</i> , 2011, 83, 1673-1680.	3.2	168
5	Solids Go Bio: Inorganic Nanoparticles as Enzyme Mimics. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1906-1915.	1.0	167
6	Biogenic synthesis of palladium nanoparticles using <i>Pulicaria glutinosa</i> extract and their catalytic activity towards the Suzuki coupling reaction. <i>Dalton Transactions</i> , 2014, 43, 9026-9031.	1.6	157
7	Green synthesis of silver nanoparticles mediated by <i>Pulicaria glutinosa</i> extract. <i>International Journal of Nanomedicine</i> , 2013, 8, 1507.	3.3	151
8	Green Approach for the Effective Reduction of Graphene Oxide Using <i>Salvadora persica</i> L. Root (Miswak) Extract. <i>Nanoscale Research Letters</i> , 2015, 10, 987.	3.1	138
9	Au@MnO Nanoflowers: Hybrid Nanocomposites for Selective Dual Functionalization and Imaging. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3976-3980.	7.2	135
10	Molybdenum Trioxide Nanoparticles with Intrinsic Sulfite Oxidase Activity. <i>ACS Nano</i> , 2014, 8, 5182-5189.	7.3	135
11	Co-expression and Functional Interaction of Silicatein with Galectin. <i>Journal of Biological Chemistry</i> , 2006, 281, 12001-12009.	1.6	125
12	Metal Ion Affinity-based Biomolecular Recognition and Conjugation inside Synthetic Polymer Nanopores Modified with Iron-Terpyridine Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 17307-17314.	6.6	120
13	Facile synthesis and characterization of monocrySTALLINE cubic ZrO ₂ nanoparticles. <i>Solid State Sciences</i> , 2007, 9, 1105-1109.	1.5	113
14	Facile Synthesis and Characterization of Functionalized, MonocrySTALLINE Rutile TiO ₂ Nanorods. <i>Langmuir</i> , 2006, 22, 5209-5212.	1.6	112
15	Formation of layered titania and zirconia catalysed by surface-bound silicatein. <i>Chemical Communications</i> , 2005, , 5533.	2.2	111
16	Controlled synthesis of linear and branched Au@ZnO hybrid nanocrystals and their photocatalytic properties. <i>Nanoscale</i> , 2013, 5, 9944.	2.8	105
17	Hematite and Magnetite Nanostructures for Green and Sustainable Energy Harnessing and Environmental Pollution Control: A Review. <i>Chemical Research in Toxicology</i> , 2020, 33, 1292-1311.	1.7	102
18	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. <i>Dalton Transactions</i> , 2018, 47, 11988-12010.	1.6	97

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19	Reactive Polymers: A Versatile Toolbox for the Immobilization of Functional Molecules on TiO ₂ Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 908-912.	7.2	94
20	Monitoring the formation of biosilica catalysed by histidine-tagged silicatein. <i>Chemical Communications</i> , 2004, , 2848-2849.	2.2	92
21	Highly water-soluble magnetic iron oxide (Fe ₃ O ₄) nanoparticles for drug delivery: enhanced in vitro therapeutic efficacy of doxorubicin and MION conjugates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2874.	2.9	92
22	Synthesis of Mesoporous Supraparticles on Superamphiphobic Surfaces. <i>Advanced Materials</i> , 2015, 27, 7338-7343.	11.1	91
23	Overcoming the Insolubility of Molybdenum Disulfide Nanoparticles through a High Degree of Sidewall Functionalization Using Polymeric Chelating Ligands. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4809-4815.	7.2	89
24	Genotoxic effects of zinc oxide nanoparticles. <i>Nanoscale</i> , 2015, 7, 8931-8938.	2.8	89
25	Influence of Binding Site Density in Wet Bioadhesion. <i>Advanced Materials</i> , 2008, 20, 3872-3876.	11.1	85
26	Enzymatic production of biosilica glass using enzymes from sponges: basic aspects and application in nanobiotechnology (material sciences and medicine). <i>Die Naturwissenschaften</i> , 2007, 94, 339-359.	0.6	81
27	Carbon-Coated Anatase TiO ₂ Nanotubes for Li- and Na-Ion Anodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3013-A3020.	1.3	80
28	A Step into the Future: Applications of Nanoparticle Enzyme Mimics. <i>Chemistry - A European Journal</i> , 2018, 24, 9703-9713.	1.7	80
29	Highly soluble multifunctional MnO nanoparticles for simultaneous optical and MRI imaging and cancer treatment using photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2010, 20, 8297.	6.7	79
30	Bioorganic/inorganic hybrid composition of sponge spicules: Matrix of the giant spicules and of the comitalia of the deep sea hexactinellid <i>Monorhaphis</i> . <i>Journal of Structural Biology</i> , 2008, 161, 188-203.	1.3	78
31	Biomolecular conjugation inside synthetic polymer nanopores via glycoprotein-lectin interactions. <i>Nanoscale</i> , 2011, 3, 1894.	2.8	78
32	A High-Performance Asymmetric Supercapacitor Based on Tungsten Oxide Nanoplates and Highly Reduced Graphene Oxide Electrodes. <i>Chemistry - A European Journal</i> , 2021, 27, 6973-6984.	1.7	75
33	From Single Molecules to Nanoscopically Structured Functional Materials: Au Nanocrystal Growth on TiO ₂ Nanowires Controlled by Surface-Bound Silicatein. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4803-4809.	7.2	74
34	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7423-7428.	2.9	74
35	<i>Pulicaria glutinosa</i> plant extract: a green and eco-friendly reducing agent for the preparation of highly reduced graphene oxide. <i>RSC Advances</i> , 2014, 4, 24119-24125.	1.7	73
36	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Advanced Materials</i> , 2018, 30, e1707073.	11.1	73

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37	Fabrication of a Silica Coating on Magnetic Fe_3O_4 Nanoparticles by an Immobilized Enzyme. <i>Chemistry of Materials</i> , 2008, 20, 3567-3573.	3.2	71
38	Enhanced Antimicrobial Activity of Biofunctionalized Zirconia Nanoparticles. <i>ACS Omega</i> , 2020, 5, 1987-1996.	1.6	71
39	Liquid crystalline phases from polymer functionalised semiconducting nanorods. <i>Journal of Materials Chemistry</i> , 2008, 18, 3050.	6.7	69
40	Synthesis, Characterization, and Hierarchical Organization of Tungsten Oxide Nanorods: Spreading Driven by Marangoni Flow. <i>Journal of the American Chemical Society</i> , 2009, 131, 17566-17575.	6.6	67
41	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. <i>Bioorganic Chemistry</i> , 2015, 61, 51-57.	2.0	65
42	Glycine-functionalized copper(Cu) hydroxide nanoparticles with high intrinsic superoxide dismutase activity. <i>Nanoscale</i> , 2017, 9, 3952-3960.	2.8	64
43	Superparamagnetic Fe_3O_4 nanoparticles with tailored functionality for protein separation. <i>Chemical Communications</i> , 2007, , 4677.	2.2	63
44	CeO_2 nanorods with intrinsic urease-like activity. <i>Nanoscale</i> , 2018, 10, 13074-13082.	2.8	59
45	$\text{Pd@Fe}_2\text{O}_3$ Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , 2017, 29, 1134-1146.	3.2	58
46	Fabrication of Single Cylindrical Au-Coated Nanopores with Non-Homogeneous Fixed Charge Distribution Exhibiting High Current Rectifications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12486-12494.	4.0	55
47	Pathogen-Mimicking MnO Nanoparticles for Selective Activation of the TLR9 Pathway and Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , 2009, 19, 3717-3725.	7.8	54
48	Fractal-related assembly of the axial filament in the demosponge <i>Suberites domuncula</i> : Relevance to biomineralization and the formation of biogenic silica. <i>Biomaterials</i> , 2007, 28, 4501-4511.	5.7	53
49	<i>Pulicaria glutinosa</i> Extract: A Toolbox to Synthesize Highly Reduced Graphene Oxide-Silver Nanocomposites. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1131-1142.	1.8	53
50	Enzyme-Mediated Deposition of a TiO_2 Coating onto Biofunctionalized WS_2 Chalcogenide Nanotubes. <i>Advanced Functional Materials</i> , 2009, 19, 285-291.	7.8	52
51	Synthesis of Au, Ag, and Au-Ag Bimetallic Nanoparticles Using <i>Pulicaria undulata</i> Extract and Their Catalytic Activity for the Reduction of 4-Nitrophenol. <i>Nanomaterials</i> , 2020, 10, 1885.	1.9	52
52	Green synthesis of Pd@graphene nanocomposite: Catalyst for the selective oxidation of alcohols. <i>Arabian Journal of Chemistry</i> , 2016, 9, 835-845.	2.3	50
53	dsRNA-Functionalized Multifunctional Fe_3O_4 Nanocrystals: A Tool for Targeting Cell Surface Receptors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4748-4752.	7.2	48
54	Hierarchical Assembly of TiO_2 Nanoparticles on WS_2 Nanotubes Achieved Through Multifunctional Polymeric Ligands. <i>Small</i> , 2007, 3, 829-834.	5.2	46

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55	Double-Stranded RNA Polyinosinicâ€“Polycytidylic Acid Immobilized onto Fe_3O_4 Nanoparticles by Using a Multifunctional Polymeric Linker. <i>Small</i> , 2007, 3, 1374-1378.	5.2	45
56	Phase separated $\text{Cu}@\text{Fe}_3\text{O}_4$ heterodimer nanoparticles from organometallic reactants. <i>Journal of Materials Chemistry</i> , 2011, 21, 8605.	6.7	44
57	<i>Pulicaria undulata</i> Extract-Mediated Eco-Friendly Preparation of TiO_2 Nanoparticles for Photocatalytic Degradation of Methylene Blue and Methyl Orange. <i>ACS Omega</i> , 2022, 7, 4812-4820.	1.6	43
58	A highly reduced graphene oxide/ ZrO_x â€“ MnCO_3 or Mn_2O_3 nanocomposite as an efficient catalyst for selective aerial oxidation of benzylic alcohols. <i>RSC Advances</i> , 2017, 7, 55336-55349.	1.7	42
59	Advances in biogenic synthesis of palladium nanoparticles. <i>RSC Advances</i> , 2016, 6, 60277-60286.	1.7	41
60	Design, characterization and evaluation of hydroxyethylcellulose based novel regenerable superabsorbent for heavy metal ions uptake and competitive adsorption. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 170-180.	3.6	40
61	Bioinspired synthesis of multifunctional inorganic and bioâ€“organic hybrid materials. <i>FEBS Journal</i> , 2012, 279, 1737-1749.	2.2	39
62	Orientation and Dynamics of ZnO Nanorod Liquid Crystals in Electric Fields. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1101-1107.	2.0	38
63	Synthesis and characterization of carbon coated sponge-like tin oxide (SnO_x) films and their application as electrode materials in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 612-619.	5.2	37
64	Calixarene: A Versatile Material for Drug Design and Applications. <i>Current Pharmaceutical Design</i> , 2017, 23, 2377-2388.	0.9	34
65	Particle size and morphology control of the negative thermal expansion material cubic zirconium tungstate. <i>Journal of Materials Chemistry</i> , 2009, 19, 2760.	6.7	33
66	Facile hydrothermal synthesis of crystalline Ta_2O_5 nanorods, MTaO_3 (M = H, Na, K, Rb) nanoparticles, and their photocatalytic behaviour. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8033-8040.	5.2	33
67	Functional Polymerâ€“Opals from Coreâ€“Shell Colloids. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1987-1994.	2.0	32
68	The $2\text{-}5\text{-oligoadenylate}$ synthetase in the lowest metazoa: isolation, cloning, expression and functional activity in the sponge <i>Lubomirskia baicalensis</i> . <i>Molecular Immunology</i> , 2008, 45, 945-953.	1.0	32
69	Monitoring Thiolâ€“Ligand Exchange on Au Nanoparticle Surfaces. <i>Langmuir</i> , 2018, 34, 1700-1710.	1.6	32
70	Polyacrylonitrile Block Copolymers for the Preparation of a Thin Carbon Coating Around TiO_2 Nanorods for Advanced Lithiumâ€“ion Batteries. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1693-1700.	2.0	31
71	Precursor Polymers for the Carbon Coating of $\text{Au}@\text{ZnO}$ Multipods for Application as Active Material in Lithiumâ€“ion Batteries. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1075-1082.	2.0	30
72	Cellulose ether derivatives: a new platform for prodrug formation of fluoroquinolone antibiotics. <i>Cellulose</i> , 2015, 22, 2011-2022.	2.4	30

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73	Light Induced Charging of Polymer Functionalized Nanorods. <i>Nano Letters</i> , 2010, 10, 2812-2816.	4.5	29
74	One pot light assisted green synthesis, storage and antimicrobial activity of dextran stabilized silver nanoparticles. <i>Journal of Nanobiotechnology</i> , 2014, 12, 53.	4.2	29
75	Structural and Optical Study of Ga ³⁺ Substitution in CuInS ₂ Nanoparticles Synthesized by a One-Pot Facile Method. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24670-24679.	1.5	29
76	Capparis decidua Edgew (Forssk.): A comprehensive review of its traditional uses, phytochemistry, pharmacology and nutraceutical potential. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1901-1916.	2.3	29
77	Enzymatic Synthesis and Surface Deposition of Tin Dioxide using Silicatein-1. <i>Chemistry of Materials</i> , 2011, 23, 5358-5365.	3.2	28
78	Self-cleaning antimicrobial surfaces by bio-enabled growth of SnO ₂ coatings on glass. <i>Nanoscale</i> , 2013, 5, 3447.	2.8	28
79	Reversible Self-Assembly of Metal Chalcogenide/Metal Oxide Nanostructures Based on Pearson Hardness. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7578-7582.	7.2	27
80	Hydrogen peroxide sensors for cellular imaging based on horse radish peroxidase reconstituted on polymer-functionalized TiO ₂ nanorods. <i>Nanoscale</i> , 2011, 3, 3907.	2.8	26
81	Molecular Camouflage: Making Use of Protecting Groups To Control the Self-Assembly of Inorganic Janus Particles onto Metal Chalcogenide Nanotubes by Pearson Hardness. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12271-12275.	7.2	26
82	Solvothermal Preparation and Electrochemical Characterization of Cubic ZrO ₂ Nanoparticles/Highly Reduced Graphene (HRG) based Nanocomposites. <i>Materials</i> , 2019, 12, 711.	1.3	26
83	Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction. <i>Scientific Reports</i> , 2020, 10, 11728.	1.6	26
84	Synthesis and functionalization of chalcogenide nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2338-2363.	0.7	25
85	Synthesis, characterization and functionalization of nearly mono-disperse copper ferrite Cu _x Fe _{3-x} O ₄ nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 6909.	6.7	25
86	Plasmon-enhanced photocurrent in quasi-solid-state dye-sensitized solar cells by the inclusion of gold/silica core-shell nanoparticles in a TiO ₂ photoanode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12627.	5.2	24
87	A Generalized Method for High-Speed Fluorination of Metal Oxides by Spark Plasma Sintering Yields Ta ₃ O ₇ F and TaO ₂ F with High Photocatalytic Activity for Oxygen Evolution from Water. <i>Advanced Materials</i> , 2021, 33, e2007434.	11.1	24
88	Multifunctional polymer-derivatized ⁵⁷ Fe ₂ O ₃ nanocrystals as a methodology for the biomagnetic separation of recombinant His-tagged proteins. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2339-2344.	1.0	23
89	Potential biological role of laccase from the sponge <i>Suberites domuncula</i> as an antibacterial defense component. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 118-128.	1.1	23
90	Efficient aerial oxidation of different types of alcohols using ZnO nanoparticle-MnCO ₃ -graphene oxide composites. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5718.	1.7	23

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91	Controlling phase formation in solids: rational synthesis of phase separated Co@Fe ₂ O ₃ heteroparticles and CoFe ₂ O ₄ nanoparticles. <i>Chemical Communications</i> , 2011, 47, 8898.	2.2	22
92	Silicatein conjugation inside nanoconfined geometries through immobilized NTA@Ni(ii) chelates. <i>Chemical Communications</i> , 2013, 49, 2210.	2.2	22
93	Succinate-bonded pullulan: An efficient and reusable super-sorbent for cadmium-uptake from spiked high-hardness groundwater. <i>Journal of Environmental Sciences</i> , 2015, 37, 51-58.	3.2	22
94	Extended release and enhanced bioavailability of moxifloxacin conjugated with hydrophilic cellulose ethers. <i>Carbohydrate Polymers</i> , 2016, 136, 1297-1306.	5.1	22
95	Ni@Fe ₂ O ₃ heterodimers: controlled synthesis and magnetically recyclable catalytic application for dehalogenation reactions. <i>Nanoscale</i> , 2012, 4, 4571.	2.8	21
96	Hierarchical Ni@Fe ₂ O ₃ superparticles through epitaxial growth of γ -Fe ₂ O ₃ nanorods on <i>in situ</i> formed Ni nanoplates. <i>Nanoscale</i> , 2016, 8, 9548-9555.	2.8	21
97	From Single Molecules to Nanoscopically Structured Materials: Self-Assembly of Metal Chalcogenide/Metal Oxide Nanostructures Based on the Degree of Pearson Hardness. <i>Chemistry of Materials</i> , 2011, 23, 3534-3539.	3.2	20
98	Plant Extract Mediated Eco-Friendly Synthesis of Pd@Graphene Nanocatalyst: An Efficient and Reusable Catalyst for the Suzuki-Miyaura Coupling. <i>Catalysts</i> , 2017, 7, 20.	1.6	20
99	Solvothermal Synthesis of Molybdenum@Tungsten Oxides and Their Application for Photoelectrochemical Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12641-12649.	3.2	20
100	Low temperature synthesis of monodisperse nanoscaled ZrO ₂ with a large specific surface area. <i>Dalton Transactions</i> , 2013, 42, 432-440.	1.6	19
101	Fabrication, characterization, thermal stability and nanoassemblies of novel pullulan-aspirin conjugates. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1597-S1603.	2.3	19
102	The surface chemistry of iron oxide nanocrystals: surface reduction of γ -Fe ₂ O ₃ to Fe ₃ O ₄ by redox-active catechol surface ligands. <i>Journal of Materials Chemistry C</i> , 2018, 6, 326-333.	2.7	19
103	CpG-DNA loaded multifunctional MnO nanoshuttles for TLR9-specific cellular cargo delivery, selective immune-activation and MRI. <i>Journal of Materials Chemistry</i> , 2012, 22, 8826.	6.7	18
104	Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols. <i>Nanoscale Research Letters</i> , 2015, 10, 52.	3.1	18
105	Silicatein-mediated incorporation of titanium into spicules from the demosponge <i>Suberites domuncula</i> . <i>Cell and Tissue Research</i> , 2010, 339, 429-436.	1.5	17
106	Methyl-substituted 2-aminothiazole-based cobalt(II) and silver(I) complexes: synthesis, X-ray structures, and biological activities. <i>Turkish Journal of Chemistry</i> , 2019, 43, 857-868.	0.5	17
107	Synthesis of Hierarchically Grown ZnO@NT-WS ₂ Nanocomposites. <i>Chemistry of Materials</i> , 2009, 21, 5382-5387.	3.2	16
108	Hydroxypropylcellulose as a novel green reservoir for the synthesis, stabilization, and storage of silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 2079.	3.3	16

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109	Multiple cross-linked hydroxypropylcellulose- <i>succinate</i> - <i>salicylate</i> : prodrug design, characterization, stimuli responsive swelling-deswelling and sustained drug release. <i>RSC Advances</i> , 2015, 5, 43440-43448.	1.7	16
110	Novel high-loaded, nanoparticulate and thermally stable macromolecular prodrug design of NSAIDs based on hydroxypropylcellulose. <i>Cellulose</i> , 2015, 22, 461-471.	2.4	16
111	Facile hybridization of Ni@Fe ₂ O ₃ superparticles with functionalized reduced graphene oxide and its application as anode material in lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 155-163.	5.0	16
112	Selective Synthesis of Monodisperse CoO Nanooctahedra as Catalysts for Electrochemical Water Oxidation. <i>Langmuir</i> , 2020, 36, 13804-13816.	1.6	16
113	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications. <i>Chemical Record</i> , 2022, 22, e202100274.	2.9	16
114	Synthesis and Characterization of Cellulose- <i>Lipoates</i> : A Novel Material for Adsorption onto Gold. <i>Polymer Bulletin</i> , 2006, 57, 857-863.	1.7	15
115	Stabilizing nanostructured lithium insertion materials via organic hybridization: A step forward towards high-power batteries. <i>Journal of Power Sources</i> , 2014, 248, 852-860.	4.0	15
116	Silica-coated Au@ZnO Janus particles and their stability in epithelial cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1813-1822.	2.9	15
117	Structural and optical properties of Fe and Zn substituted CuInS ₂ nanoparticles synthesized by a one-pot facile method. <i>Journal of Materials Chemistry C</i> , 2015, 3, 889-898.	2.7	15
118	Solid State Fluorination on the Minute Scale: Synthesis of WO ₃ with Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2020, 30, 1909051.	7.8	15
119	HPMC- <i>salicylate</i> conjugates as macromolecular prodrugs: Design, characterization, and nano-rods formation. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4202-4208.	2.5	14
120	Chemical Mimicry: Hierarchical 1D TiO ₂ @ZrO ₂ Core-Shell Structures Reminiscent of Sponge Spicules by the Synergistic Effect of Silicatein-1 and Silintaphin-1. <i>Langmuir</i> , 2011, 27, 5464-5471.	1.6	14
121	Macromolecular prodrugs of aspirin with HPMC: A nano particulate drug design, characterization, and pharmacokinetic studies. <i>Macromolecular Research</i> , 2011, 19, 1296-1302.	1.0	14
122	Synthesis, characterization, crystal structures, enzyme inhibition, DNA binding, and electrochemical studies of zinc(II) complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1290-1308.	0.8	14
123	High-Performance TiO ₂ Nanoparticle/DOPA-Polymer Composites. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1129-1137.	2.0	14
124	IF-ReS ₂ with Covalently Linked Porphyrin Antennae. <i>Israel Journal of Chemistry</i> , 2010, 50, 500-505.	1.0	13
125	Reversible Selbstorganisation von Metallchalkogenid-Metalloxid-Nanostrukturen basierend auf dem Pearson-Konzept. <i>Angewandte Chemie</i> , 2010, 122, 7741-7745.	1.6	13
126	Soluble IF-ReS ₂ Nanoparticles by Surface Functionalization with Terpyridine Ligands. <i>Langmuir</i> , 2011, 27, 385-391.	1.6	13

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127	Amine functionalized ZrO ₂ nanoparticles as biocompatible and luminescent probes for ligand specific cellular imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2371-2377.	2.9	13
128	An efficient acetylation of dextran using in situ activated acetic anhydride with iodine. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 165-173.	0.4	13
129	A Facile Synthesis of ZrO _x -MnCO ₃ /Graphene Oxide (GRO) Nanocomposites for the Oxidation of Alcohols using Molecular Oxygen under Base Free Conditions. <i>Catalysts</i> , 2019, 9, 759.	1.6	12
130	Facile Sonochemical Preparation of Au-ZrO ₂ Nanocatalyst for the Catalytic Reduction of 4-Nitrophenol. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 503.	1.3	12
131	Translational and rotational diffusion of gold nanorods near a wall. <i>Journal of Chemical Physics</i> , 2013, 139, 064710.	1.2	11
132	Hydroxypropylcellulose-aceclofenac conjugates: high covalent loading design, structure characterization, nano-assemblies and thermal kinetics. <i>Cellulose</i> , 2013, 20, 717-725.	2.4	11
133	Humidity-sensing and DNA-binding ability of bis(4-benzylpiperazine-1-carbodithioato)nickel(II). <i>Journal of Coordination Chemistry</i> , 2015, 68, 295-307.	0.8	11
134	Synthesis of hierarchically organized Fe ₂ O ₃ nanostructures for the photocatalytic degradation of methylene blue. <i>Emergent Materials</i> , 2020, 3, 605-612.	3.2	11
135	Functionalization of TiO ₂ Nanoparticles with Semiconducting Polymers Containing a Photocleavable Anchor Group and Separation via Irradiation Afterward. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 604-613.	1.1	10
136	Synthesis and Comparative Catalytic Study of Zirconia-MnCO ₃ or -Mn ₂ O ₃ for the Oxidation of Benzylic Alcohols. <i>ChemistryOpen</i> , 2017, 6, 112-120.	0.9	10
137	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , 2018, 30, 4277-4288.	3.2	10
138	Electrocatalytic Investigations into a PdNi Nanostructured Alloy Supported over a Graphite Sheet toward Pt-like Hydrogen Evolution Activity. <i>Energy & Fuels</i> , 2022, 36, 5910-5919.	2.5	10
139	One-pot thermolysis synthesis of CuInS ₂ nanoparticles with chalcopyrite-wurtzite polytypism structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8960-8972.	1.1	9
140	Structural analysis of Gossypium hirsutum fibers grown under greenhouse and hydroponic conditions. <i>Journal of Structural Biology</i> , 2016, 194, 292-302.	1.3	9
141	Controlling the Morphology of Au-Pd Heterodimer Nanoparticles by Surface Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 13640-13652.	1.9	9
142	Anisotropic nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016, 191, 229-254.	1.6	8
143	Quince Seed Mucilage: A Stimuli-Responsive/Smart Biopolymer. <i>Polymers and Polymeric Composites</i> , 2019, , 127-148.	0.6	8
144	Synthesis and immobilization of molecular switches onto titaniumdioxide nanowires. <i>Polyhedron</i> , 2009, 28, 1728-1733.	1.0	7

#	ARTICLE	IF	CITATIONS
145	An efficient esterification of pullulan using carboxylic acid anhydrides activated with iodine. Collection of Czechoslovak Chemical Communications, 2010, 75, 133-143.	1.0	7
146	Orientation of Polymer Functionalized Nanorods in Thin Films. Journal of Nanoscience and Nanotechnology, 2010, 10, 6845-6849.	0.9	7
147	Ultrastrong composites from dopamine modified-polymer-infiltrated colloidal crystals. Materials Horizons, 2015, 2, 434-441.	6.4	7
148	Facile one-pot synthesis of polytypic (wurtzite ϵ -chalcopyrite) CuGaS ₂ . Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	7
149	High-speed solid state fluorination of Nb ₂ O ₅ yields NbO ₂ F and Nb ₃ O ₇ F with photocatalytic activity for oxygen evolution from water. Dalton Transactions, 2021, 50, 6528-6538.	1.6	7
150	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. Nanostructure Science and Technology, 2020, , 195-278.	0.1	7
151	Synthesis, antibacterial activity and docking studies of chloroacetamide derivatives. European Journal of Chemistry, 2019, 10, 358-366.	0.3	7
152	High-throughput synthesis of CeO ₂ nanoparticles for transparent nanocomposites repelling Pseudomonas aeruginosa biofilms. Scientific Reports, 2022, 12, 3935.	1.6	7
153	SERS and EC-SERS detection of local anesthetic procaine using Pd loaded highly reduced graphene oxide nanocomposite substrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121381.	2.0	7
154	Surface Defects as a Tool to Solubilize and Functionalize WS ₂ Nanotubes. European Journal of Inorganic Chemistry, 2017, 2017, 2190-2194.	1.0	6
155	Benzyl Alcohol Assisted Synthesis and Characterization of Highly Reduced Graphene Oxide (HRG)@ZrO ₂ Nanocomposites. ChemistrySelect, 2017, 2, 3078-3083.	0.7	6
156	One-pot synthesis, crystal structure and antimicrobial activity of 6-benzyl-11-(p-tolyl)-6H-indolo[2,3-b]quinoline. Journal of Molecular Structure, 2020, 1210, 128035.	1.8	6
157	Non-aqueous synthesis of AuCu@ZnO alloy-semiconductor heteroparticles for photocatalytic degradation of organic dyes. Journal of Saudi Chemical Society, 2021, 25, 101210.	2.4	6
158	Multi-photon imaging of amine-functionalized silica nanoparticles. Nanoscale, 2012, 4, 4680.	2.8	5
159	Graphene-type sheets of Nb _{1-x} W _x S ₂ : synthesis and in situ functionalization. Dalton Transactions, 2013, 42, 5292.	1.6	5
160	From Single Molecules to Nanostructured Functional Materials: Formation of a Magnetic Foam Catalyzed by Pd@Fe _x O Heterodimers. ACS Applied Nano Materials, 2018, 1, 1050-1057.	2.4	5
161	Sodium hydroxyethylcellulose adipate: An efficient and reusable sorbent for cadmium uptake from spiked high-hardness ground water. Arabian Journal of Chemistry, 2020, 13, 2766-2777.	2.3	5
162	Growth of fibrous aggregates of silica nanoparticles: Fibre growth by mimicking the biogenic silica patterning processes. Soft Matter, 2009, 5, 3657.	1.2	4

#	ARTICLE	IF	CITATIONS
163	Localization and Characterization of Ferritin in Demospongiae: A Possible Role on Spiculogenesis. <i>Marine Drugs</i> , 2014, 12, 4659-4676.	2.2	4
164	Engineered Multifunctional Nanotools for Biological Applications. <i>Methods in Molecular Biology</i> , 2011, 790, 203-214.	0.4	4
165	Fabrication of potential macromolecular prodrugs of aspirin and diclofenac with dextran. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2011, 24, 575-81.	0.2	4
166	1,3-Dimethoxy-2,3-dihydro-1H-isoindole-2-carbothioamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o41-o41.	0.2	3
167	Rational assembly and dual functionalization of Au@MnO heteroparticles on TiO ₂ nanowires. <i>New Journal of Chemistry</i> , 2014, 38, 2031-2036.	1.4	3
168	Janus and patchy nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016, 191, 117-139.	1.6	3
169	Hydroxypropylcellulose-flurbiprofen conjugates: design, characterization, anti-inflammatory activity and enhanced bioavailability. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 869-875.	1.2	3
170	Block copolymers from ionic liquids for the preparation of thin carbonaceous shells. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1693-1701.	1.3	2
171	Frontispiece: A Step into the Future: Applications of Nanoparticle Enzyme Mimics. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	2
172	Flurbiprofen conjugates based on hydroxyethylcellulose: Synthesis, characterization, pharmaceutical and pharmacological applications. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2101-2109.	2.3	2
173	Design, characterization and enhanced bioavailability of hydroxypropylcellulose-naproxen conjugates. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5717-5723.	2.3	2
174	Pyrene Functionalized Highly Reduced Graphene Oxide-palladium Nanocomposite: A Novel Catalyst for the Mizoroki-Heck Reaction in Water. <i>Frontiers in Chemistry</i> , 2022, 10, 872366.	1.8	2
175	Synthetic Approaches to Functionalized Chalcogenide Nanotubes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2093-2093.	0.6	1
176	Gold-surface binding of molecular switches studied by M ⁵⁵ ssbauer spectroscopy. <i>Hyperfine Interactions</i> , 2012, 205, 63-67.	0.2	1
177	Bio-nano: Theranostic at Cellular Level. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2018, , 85-170.	0.2	1
178	Quince Seed Mucilage: A Stimuli-Responsive/Smart Biopolymer. <i>Polymers and Polymeric Composites</i> , 2019, , 1-22.	0.6	1
179	From Single Molecules to Nanoscopically Structured Functional Materials. <i>Materials Research Society Symposia Proceedings</i> , 2006, 988, 1.	0.1	0
180	Cell Specific Targeting of Multifunctional ⁵⁵ Fe ₂ O ₃ Nanoparticles Through Surface Binding of dsDNA. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1032, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
181	Functionalized Magnetic Nanoparticles for Selective Targeting of Cells. Materials Research Society Symposia Proceedings, 2008, 1140, 120101.	0.1	0
182	Functionalized Magnetic Nanoparticles for Selective Targeting of Cells. Materials Research Society Symposia Proceedings, 2009, 1241, 1.	0.1	0
183	Esterification of Salicylic acid with Succinylated Dextran Using ZrOCl ₂ .8H ₂ O over MCM-41: A Novel Strategy to Design Polysaccharide-Based Macromolecular Prodrugs. Arabian Journal for Science and Engineering, 2021, 46, 5583-5591.	1.7	0
184	Gold-surface binding of molecular switches studied by Mössbauer spectroscopy. , 2013, , 211-215.		0