

# Muhammad Nawaz Tahir

## List of Publications by Year in descending order

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184  
papers

7,691  
citations

38742  
50  
h-index

64796  
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. Journal of Materials Chemistry A, 2015, 3, 18753-18808.	10.3	563
2	COVID-19: A Global Challenge with Old History, Epidemiology and Progress So Far. Molecules, 2021, 26, 39.	3.8	296
3	Extraordinary Performance of Carbon-Coated Anatase TiO <sub>2</sub> as Sodium-Ion Anode. Advanced Energy Materials, 2016, 6, 1501489.	19.5	205
4	Hydrogen Peroxide Sensing with Horseradish Peroxidase-Modified Polymer Single Conical Nanochannels. Analytical Chemistry, 2011, 83, 1673-1680.	6.5	168
5	Solids Go Bio: Inorganic Nanoparticles as Enzyme Mimics. European Journal of Inorganic Chemistry, 2016, 2016, 1906-1915.	2.0	167
6	Biogenic synthesis of palladium nanoparticles using Pulicaria glutinosa extract and their catalytic activity towards the Suzuki coupling reaction. Dalton Transactions, 2014, 43, 9026-9031.	3.3	157
7	Green synthesis of silver nanoparticles mediated by Pulicaria glutinosa extract. International Journal of Nanomedicine, 2013, 8, 1507.	6.7	151
8	Green Approach for the Effective Reduction of Graphene Oxide Using Salvadora persica L. Root (Miswak) Extract. Nanoscale Research Letters, 2015, 10, 987.	5.7	138
9	Au@MnO Nanoflowers: Hybrid Nanocomposites for Selective Dual Functionalization and Imaging. Angewandte Chemie - International Edition, 2010, 49, 3976-3980.	13.8	135
10	Molybdenum Trioxide Nanoparticles with Intrinsic Sulfite Oxidase Activity. ACS Nano, 2014, 8, 5182-5189.	14.6	135
11	Co-expression and Functional Interaction of Silicatein with Galectin. Journal of Biological Chemistry, 2006, 281, 12001-12009.	3.4	125
12	Metal Ion Affinity-based Biomolecular Recognition and Conjugation inside Synthetic Polymer Nanopores Modified with Iron-Terpyridine Complexes. Journal of the American Chemical Society, 2011, 133, 17307-17314.	13.7	120
13	Facile synthesis and characterization of monocrystalline cubic ZrO <sub>2</sub> nanoparticles. Solid State Sciences, 2007, 9, 1105-1109.	3.2	113
14	Facile Synthesis and Characterization of Functionalized, Monocrystalline Rutile TiO <sub>2</sub> Nanorods. Langmuir, 2006, 22, 5209-5212.	3.5	112
15	Formation of layered titania and zirconia catalysed by surface-bound silicatein. Chemical Communications, 2005, , 5533.	4.1	111
16	Controlled synthesis of linear and branched Au@ZnO hybrid nanocrystals and their photocatalytic properties. Nanoscale, 2013, 5, 9944.	5.6	105
17	Hematite and Magnetite Nanostructures for Green and Sustainable Energy Harnessing and Environmental Pollution Control: A Review. Chemical Research in Toxicology, 2020, 33, 1292-1311.	3.3	102
18	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. Dalton Transactions, 2018, 47, 11988-12010.	3.3	97

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19	Reactive Polymers: A Versatile Toolbox for the Immobilization of Functional Molecules on TiO <sub>2</sub> Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 908-912.	13.8	94
20	Monitoring the formation of biosilica catalysed by histidine-tagged silicatein. <i>Chemical Communications</i> , 2004, , 2848-2849.	4.1	92
21	Highly water-soluble magnetic iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles for drug delivery: enhanced in vitro therapeutic efficacy of doxorubicin and MION conjugates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2874.	5.8	92
22	Synthesis of Mesoporous Supraparticles on Superamphiphobic Surfaces. <i>Advanced Materials</i> , 2015, 27, 7338-7343.	21.0	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.	13.8	89
24	Genotoxic effects of zinc oxide nanoparticles. <i>Nanoscale</i> , 2015, 7, 8931-8938.	5.6	89
25	Influence of Binding Site Density in Wet Bioadhesion. <i>Advanced Materials</i> , 2008, 20, 3872-3876.	21.0	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.	1.6	81
27	Carbon-Coated Anatase TiO <sub>2</sub> Nanotubes for Li- and Na-Ion Anodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3013-A3020.	2.9	80
28	A Step into the Future: Applications of Nanoparticle Enzyme Mimics. <i>Chemistry - A European Journal</i> , 2018, 24, 9703-9713.	3.3	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.	2.8	78
31	Biomolecular conjugation inside synthetic polymer nanopores via glycoprotein-lectin interactions. <i>Nanoscale</i> , 2011, 3, 1894.	5.6	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.	3.3	75
33	From Single Molecules to Nanoscopically Structured Functional Materials: Au Nanocrystal Growth on TiO <sub>2</sub> Nanowires Controlled by Surface-Bound Silicatein. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4803-4809.	13.8	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.	5.8	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.	3.6	73
36	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Advanced Materials</i> , 2018, 30, e1707073.	21.0	73

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37	Fabrication of a Silica Coating on Magnetic $\text{Fe}_3\text{O}_4$ Nanoparticles by an Immobilized Enzyme. <i>Chemistry of Materials</i> , 2008, 20, 3567-3573.	6.7	71
38	Enhanced Antimicrobial Activity of Biofunctionalized Zirconia Nanoparticles. <i>ACS Omega</i> , 2020, 5, 1987-1996.	3.5	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.	13.7	67
41	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. <i>Bioorganic Chemistry</i> , 2015, 61, 51-57.	4.1	65
42	Glycine-functionalized copper( $\text{Cu}$ ) hydroxide nanoparticles with high intrinsic superoxide dismutase activity. <i>Nanoscale</i> , 2017, 9, 3952-3960.	5.6	64
43	Superparamagnetic $\text{Fe}_3\text{O}_4$ nanoparticles with tailored functionality for protein separation. <i>Chemical Communications</i> , 2007, , 4677.	4.1	63
44	$\text{CeO}_2$ nanorods with intrinsic urease-like activity. <i>Nanoscale</i> , 2018, 10, 13074-13082.	5.6	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.	6.7	58
46	Fabrication of Single Cylindrical Au-Coated Nanopores with Non-Homogeneous Fixed Charge Distribution Exhibiting High Current Rectifications. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12486-12494.	8.0	55
47	Pathogen-Mimicking $\text{MnO}$ Nanoparticles for Selective Activation of the TLR9 Pathway and Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , 2009, 19, 3717-3725.	14.9	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.	11.4	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.	4.1	53
50	Enzyme-Mediated Deposition of a $\text{TiO}_2$ Coating onto Biofunctionalized $\text{WS}_2$ Chalcogenide Nanotubes. <i>Advanced Functional Materials</i> , 2009, 19, 285-291.	14.9	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.	4.1	52
52	Green synthesis of $\text{Pd@graphene}$ nanocomposite: Catalyst for the selective oxidation of alcohols. <i>Arabian Journal of Chemistry</i> , 2016, 9, 835-845.	4.9	50
53	dsRNA-Functionalized Multifunctional $\text{Fe}_2\text{O}_3$ Nanocrystals: A Tool for Targeting Cell Surface Receptors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4748-4752.	13.8	48
54	Hierarchical Assembly of $\text{TiO}_2$ Nanoparticles on $\text{WS}_2$ Nanotubes Achieved Through Multifunctional Polymeric Ligands. <i>Small</i> , 2007, 3, 829-834.	10.0	46

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55	Double-Stranded RNA Polyinosinicâ€“Polycytidylic Acid Immobilized onto $\text{Fe}_2\text{O}_3$ Nanoparticles by Using a Multifunctional Polymeric Linker. <i>Small</i> , 2007, 3, 1374-1378.	10.0	45
56	Phase separated Cu@Fe <sub>3</sub> O <sub>4</sub> 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 <sub>2</sub> Nanoparticles for Photocatalytic Degradation of Methylene Blue and Methyl Orange. <i>ACS Omega</i> , 2022, 7, 4812-4820.	3.5	43
58	A highly reduced graphene oxide/ZrO <sub>x</sub> â€“MnCO <sub>3</sub> or Mn <sub>2</sub> O <sub>3</sub> nanocomposite as an efficient catalyst for selective aerial oxidation of benzylic alcohols. <i>RSC Advances</i> , 2017, 7, 55336-55349.	3.6	42
59	Advances in biogenic synthesis of palladium nanoparticles. <i>RSC Advances</i> , 2016, 6, 60277-60286.	3.6	41
60	Design, characterization and evaluation of hydroxyethylcellulose based novel regenerable supersorbent for heavy metal ions uptake and competitive adsorption. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 170-180.	7.5	40
61	Bioinspired synthesis of multifunctional inorganic and bioâ€“organic hybrid materials. <i>FEBS Journal</i> , 2012, 279, 1737-1749.	4.7	39
62	Orientation and Dynamics of ZnO Nanorod Liquid Crystals in Electric Fields. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1101-1107.	3.9	38
63	Synthesis and characterization of carbon coated sponge-like tin oxide (SnO <sub>x</sub> ) films and their application as electrode materials in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 612-619.	10.3	37
64	Calixarene: A Versatile Material for Drug Design and Applications. <i>Current Pharmaceutical Design</i> , 2017, 23, 2377-2388.	1.9	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 <sub>2</sub> O <sub>5</sub> nanorods, MTaO <sub>3</sub> (M = H, Na, K, Rb) nanoparticles, and their photocatalytic behaviour. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8033-8040.	10.3	33
67	Functional Polymerâ€“Opals from Coreâ€“Shell Colloids. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1987-1994.	3.9	32
68	The 2â€“5-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.	2.2	32
69	Monitoring Thiolâ€“Ligand Exchange on Au Nanoparticle Surfaces. <i>Langmuir</i> , 2018, 34, 1700-1710.	3.5	32
70	Polyacrylonitrile Block Copolymers for the Preparation of a Thin Carbon Coating Around TiO <sub>2</sub> Nanorods for Advanced Lithiumâ€“ion Batteries. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1693-1700.	3.9	31
71	Precursor Polymers for the Carbon Coating of Au@ZnO Multipods for Application as Active Material in Lithiumâ€“ion Batteries. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1075-1082.	3.9	30
72	Cellulose ether derivatives: a new platform for prodrug formation of fluoroquinolone antibiotics. <i>Cellulose</i> , 2015, 22, 2011-2022.	4.9	30

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73	Light Induced Charging of Polymer Functionalized Nanorods. Nano Letters, 2010, 10, 2812-2816.	9.1	29
74	One pot light assisted green synthesis, storage and antimicrobial activity of dextran stabilized silver nanoparticles. Journal of Nanobiotechnology, 2014, 12, 53.	9.1	29
75	Structural and Optical Study of Ga <sup>3+</sup> Substitution in CuInS <sub>2</sub> Nanoparticles Synthesized by a One-Pot Facile Method. Journal of Physical Chemistry C, 2014, 118, 24670-24679.	3.1	29
76	Capparis decidua Edgew (Forssk.): A comprehensive review of its traditional uses, phytochemistry, pharmacology and nutraceutical potential. Arabian Journal of Chemistry, 2020, 13, 1901-1916.	4.9	29
77	Enzymatic Synthesis and Surface Deposition of Tin Dioxide using Silicatein-1. Chemistry of Materials, 2011, 23, 5358-5365.	6.7	28
78	Self-cleaning antimicrobial surfaces by bio-enabled growth of SnO <sub>2</sub> coatings on glass. Nanoscale, 2013, 5, 3447.	5.6	28
79	Reversible Self-Assembly of Metal Chalcogenide/Metal Oxide Nanostructures Based on Pearson Hardness. Angewandte Chemie - International Edition, 2010, 49, 7578-7582.	13.8	27
80	Hydrogen peroxide sensors for cellular imaging based on horse radish peroxidase reconstituted on polymer-functionalized TiO <sub>2</sub> nanorods. Nanoscale, 2011, 3, 3907.	5.6	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. Angewandte Chemie - International Edition, 2011, 50, 12271-12275.	13.8	26
82	Solvothermal Preparation and Electrochemical Characterization of Cubic ZrO <sub>2</sub> Nanoparticles/Highly Reduced Graphene (HRG) based Nanocomposites. Materials, 2019, 12, 711.	2.9	26
83	Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction. Scientific Reports, 2020, 10, 11728.	3.3	26
84	Synthesis and functionalization of chalcogenide nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2338-2363.	1.5	25
85	Synthesis, characterization and functionalization of nearly mono-disperse copper ferrite Cu <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> nanoparticles. Journal of Materials Chemistry, 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 <sub>2</sub> photoanode. Journal of Materials Chemistry A, 2013, 1, 12627.	10.3	24
87	A Generalized Method for High-Speed Fluorination of Metal Oxides by Spark Plasma Sintering Yields Ta <sub>3</sub> O <sub>7</sub> F and TaO <sub>2</sub> F with High Photocatalytic Activity for Oxygen Evolution from Water. Advanced Materials, 2021, 33, e2007434.	21.0	24
88	Multifunctional polymer-derivatized <sup>57</sup> Fe <sub>2</sub> O <sub>3</sub> nanocrystals as a methodology for the biomagnetic separation of recombinant His-tagged proteins. Journal of Magnetism and Magnetic Materials, 2008, 320, 2339-2344.	2.3	23
89	Potential biological role of laccase from the sponge Suberites domuncula as an antibacterial defense component. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 118-128.	2.4	23
90	Efficient aerial oxidation of different types of alcohols using ZnO nanoparticle-MnCO <sub>3</sub> -graphene oxide composites. Applied Organometallic Chemistry, 2020, 34, e5718.	3.5	23

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91	Controlling phase formation in solids: rational synthesis of phase separated Co@Fe <sub>2</sub> O <sub>3</sub> heteroparticles and CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. Chemical Communications, 2011, 47, 8898.	4.1	22
92	Silicatein conjugation inside nanoconfined geometries through immobilized NTA@Ni(II) chelates. Chemical Communications, 2013, 49, 2210.	4.1	22
93	Succinate-bonded pullulan: An efficient and reusable super-sorbent for cadmium-uptake from spiked high-hardness groundwater. Journal of Environmental Sciences, 2015, 37, 51-58.	6.1	22
94	Extended release and enhanced bioavailability of moxifloxacin conjugated with hydrophilic cellulose ethers. Carbohydrate Polymers, 2016, 136, 1297-1306.	10.2	22
95	Ni@Fe <sub>2</sub> O <sub>3</sub> heterodimers: controlled synthesis and magnetically recyclable catalytic application for dehalogenation reactions. Nanoscale, 2012, 4, 4571.	5.6	21
96	Hierarchical Ni@Fe <sub>2</sub> O <sub>3</sub> superparticles through epitaxial growth of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanorods on <i>in situ</i> formed Ni nanoplates. Nanoscale, 2016, 8, 9548-9555.	5.6	21
97	From Single Molecules to Nanoscopically Structured Materials: Self-Assembly of Metal Chalcogenide/Metal Oxide Nanostructures Based on the Degree of Pearson Hardness. Chemistry of Materials, 2011, 23, 3534-3539.	6.7	20
98	Plant Extract Mediated Eco-Friendly Synthesis of Pd@Graphene Nanocatalyst: An Efficient and Reusable Catalyst for the Suzuki-Miyaura Coupling. Catalysts, 2017, 7, 20.	3.5	20
99	Solvothermal Synthesis of Molybdenum@Tungsten Oxides and Their Application for Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 12641-12649.	6.7	20
100	Low temperature synthesis of monodisperse nanoscaled ZrO <sub>2</sub> with a large specific surface area. Dalton Transactions, 2013, 42, 432-440.	3.3	19
101	Fabrication, characterization, thermal stability and nanoassemblies of novel pullulan-aspirin conjugates. Arabian Journal of Chemistry, 2017, 10, S1597-S1603.	4.9	19
102	The surface chemistry of iron oxide nanocrystals: surface reduction of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> to Fe <sub>3</sub> O <sub>4</sub> by redox-active catechol surface ligands. Journal of Materials Chemistry C, 2018, 6, 326-333.	5.5	19
103	CpG-DNA loaded multifunctional MnO nanoshuttles for TLR9-specific cellular cargo delivery, selective immune-activation and MRI. Journal of Materials Chemistry, 2012, 22, 8826.	6.7	18
104	Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols. Nanoscale Research Letters, 2015, 10, 52.	5.7	18
105	Silicatein-mediated incorporation of titanium into spicules from the demosponge Suberites domuncula. Cell and Tissue Research, 2010, 339, 429-436.	2.9	17
106	Methyl-substituted 2-aminothiazole-based cobalt(II) and silver(I) complexes: synthesis, X-ray structures, and biological activities. Turkish Journal of Chemistry, 2019, 43, 857-868.	1.2	17
107	Synthesis of Hierarchically Grown ZnO@NT-WS <sub>2</sub> Nanocomposites. Chemistry of Materials, 2009, 21, 5382-5387.	6.7	16
108	Hydroxypropylcellulose as a novel green reservoir for the synthesis, stabilization, and storage of silver nanoparticles. International Journal of Nanomedicine, 2015, 10, 2079.	6.7	16



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109	Multiple cross-linked hydroxypropylcellulose- <i>succinate</i> - <i>salicylate</i> : prodrug design, characterization, stimuli responsive swelling- <i>deswelling</i> and sustained drug release. RSC Advances, 2015, 5, 43440-43448.	3.6	16
110	Novel high-loaded, nanoparticulate and thermally stable macromolecular prodrug design of NSAIDs based on hydroxypropylcellulose. Cellulose, 2015, 22, 461-471.	4.9	16
111	Facile hybridization of Ni@Fe <sub>2</sub> O <sub>3</sub> superparticles with functionalized reduced graphene oxide and its application as anode material in lithium-ion batteries. Journal of Colloid and Interface Science, 2016, 478, 155-163.	9.4	16
112	Selective Synthesis of Monodisperse CoO Nanooctahedra as Catalysts for Electrochemical Water Oxidation. Langmuir, 2020, 36, 13804-13816.	3.5	16
113	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications. Chemical Record, 2022, 22, e202100274.	5.8	16
114	Synthesis and Characterization of Cellulose $\beta$ -Lipoates: A Novel Material for Adsorption onto Gold. Polymer Bulletin, 2006, 57, 857-863.	3.3	15
115	Stabilizing nanostructured lithium insertion materials via organic hybridization: A step forward towards high-power batteries. Journal of Power Sources, 2014, 248, 852-860.	7.8	15
116	Silica-coated Au@ZnO Janus particles and their stability in epithelial cells. Journal of Materials Chemistry B, 2015, 3, 1813-1822.	5.8	15
117	Structural and optical properties of Fe and Zn substituted CuInS <sub>2</sub> nanoparticles synthesized by a one-pot facile method. Journal of Materials Chemistry C, 2015, 3, 889-898.	5.5	15
118	Solid State Fluorination on the Minute Scale: Synthesis of WO <sub>3</sub> <i>x</i> F <sub><i>x</i></sub> with Photocatalytic Activity. Advanced Functional Materials, 2020, 30, 1909051.	14.9	15
119	HPMC- <i>salicylate</i> conjugates as macromolecular prodrugs: Design, characterization, and nano- <i>rods</i> formation. Journal of Polymer Science Part A, 2009, 47, 4202-4208.	2.3	14
120	Chemical Mimicry: Hierarchical 1D TiO <sub>2</sub> @ZrO <sub>2</sub> Core- <i>Shell</i> Structures Reminiscent of Sponge Spicules by the Synergistic Effect of Silicatein- $\beta$ and Silintaphin-1. Langmuir, 2011, 27, 5464-5471.	3.5	14
121	Macromolecular prodrugs of aspirin with HPMC: A nano particulate drug design, characterization, and pharmacokinetic studies. Macromolecular Research, 2011, 19, 1296-1302.	2.4	14
122	Synthesis, characterization, crystal structures, enzyme inhibition, DNA binding, and electrochemical studies of zinc(II) complexes. Journal of Coordination Chemistry, 2014, 67, 1290-1308.	2.2	14
123	High-Performance TiO <sub>2</sub> Nanoparticle/DOPA-Polymer Composites. Macromolecular Rapid Communications, 2015, 36, 1129-1137.	3.9	14
124	IF- <i>ReS</i> <sub>2</sub> with Covalently Linked Porphyrin Antennae. Israel Journal of Chemistry, 2010, 50, 500-505.	2.3	13
125	Reversible Selbstorganisation von Metallchalkogenid-Metalloxid-Nanostrukturen basierend auf dem Pearson-Konzept. Angewandte Chemie, 2010, 122, 7741-7745.	2.0	13
126	Soluble IF- <i>ReS</i> <sub>2</sub> Nanoparticles by Surface Functionalization with Terpyridine Ligands. Langmuir, 2011, 27, 385-391.	3.5	13



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127	Amine functionalized ZrO <sub>2</sub> nanoparticles as biocompatible and luminescent probes for ligand specific cellular imaging. Journal of Materials Chemistry B, 2015, 3, 2371-2377.	5.8	13
128	An efficient acetylation of dextran using in situ activated acetic anhydride with iodine. Journal of the Serbian Chemical Society, 2010, 75, 165-173.	0.8	13
129	A Facile Synthesis of ZrO <sub>x</sub> -MnCO <sub>3</sub> /Graphene Oxide (GRO) Nanocomposites for the Oxidation of Alcohols using Molecular Oxygen under Base Free Conditions. Catalysts, 2019, 9, 759.	3.5	12
130	Facile Sonochemical Preparation of Au-ZrO <sub>2</sub> Nanocatalyst for the Catalytic Reduction of 4-Nitrophenol. Applied Sciences (Switzerland), 2020, 10, 503.	2.5	12
131	Translational and rotational diffusion of gold nanorods near a wall. Journal of Chemical Physics, 2013, 139, 064710.	3.0	11
132	Hydroxypropylcellulose-aceclofenac conjugates: high covalent loading design, structure characterization, nano-assemblies and thermal kinetics. Cellulose, 2013, 20, 717-725.	4.9	11
133	Humidity-sensing and DNA-binding ability of bis(4-benzylpiperazine-1-carbodithioato- $\kappa^2$ -S,Sâ <sup>2</sup> )nickel(II). Journal of Coordination Chemistry, 2015, 68, 295-307.	2.2	11
134	Synthesis of hierarchically organized $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures for the photocatalytic degradation of methylene blue. Emergent Materials, 2020, 3, 605-612.	5.7	11
135	Functionalization of TiO <sub>2</sub> Nanoparticles with Semiconducting Polymers Containing a Photocleavable Anchor Group and Separation via Irradiation Afterward. Macromolecular Chemistry and Physics, 2014, 215, 604-613.	2.2	10
136	Synthesis and Comparative Catalytic Study of Zirconia-MnCO <sub>3</sub> or -Mn <sub>2</sub> O <sub>3</sub> for the Oxidation of Benzylic Alcohols. ChemistryOpen, 2017, 6, 112-120.	1.9	10
137	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. Chemistry of Materials, 2018, 30, 4277-4288.	6.7	10
138	Electrocatalytic Investigations into a PdNi Nanostructured Alloy Supported over a Graphite Sheet toward Pt-like Hydrogen Evolution Activity. Energy & Fuels, 2022, 36, 5910-5919.	5.1	10
139	One-pot thermolysis synthesis of CuInS <sub>2</sub> nanoparticles with chalcopyrite-wurtzite polytypism structure. Journal of Materials Science: Materials in Electronics, 2015, 26, 8960-8972.	2.2	9
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