

Srinivasa R Telukutla

List of Publications by Year in descending order

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237
papers

9,173
citations

30070

54
h-index

66911

78
g-index

248
all docs

248
docs citations

248
times ranked

11562
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirally modified cobalt-vanadate grafted on battery waste derived layered reduced graphene oxide for enantioselective photooxidation of 2-naphthol: Asymmetric induction through non-covalent interaction. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1526-1542.	9.4	11
2	Gold Sunflower Microelectrode Arrays with Dendritic Nanostructures on the Lateral Surfaces for Antireflection and Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2022, 5, 1873-1890.	5.0	12
3	Functionalized Concave Cube Gold Nanoparticles as Potent Antimicrobial Agents against Pathogenic Bacteria. <i>ACS Applied Bio Materials</i> , 2022, 5, 492-503.	4.6	11
4	The Transdermal Delivery of Therapeutic Cannabinoids. <i>Pharmaceutics</i> , 2022, 14, 438.	4.5	21
5	Surface Functionalization of WS ₂ Nanosheets with Alkyl Chains for Enhancement of Dispersion Stability and Tribological Properties. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1334-1346.	8.0	10
6	Electroreduction of CO ₂ and Quantification in New Transition-Metal-Based Deep Eutectic Solvents Using Single-Atom Ag Electrocatalyst. <i>ACS Omega</i> , 2022, 7, 14102-14112.	3.5	6
7	Readily tunable surface plasmon resonances in gold nanoring arrays fabricated using lateral electrodeposition. <i>Nanoscale</i> , 2022, 14, 9989-9996.	5.6	6
8	Porous crystalline frameworks for thermocatalytic CO ₂ reduction: an emerging paradigm. <i>Energy and Environmental Science</i> , 2021, 14, 320-352.	30.8	61
9	Zeolites on 3D-printed open metal framework structure: metal migration into zeolite promoted catalytic cracking of endothermic fuels for flight vehicles. <i>Chemical Communications</i> , 2021, 57, 9586-9589.	4.1	9
10	Calcined hydrotalcites of varying Mg/Al ratios supported Rh catalysts: highly active mesoporous and stable catalysts toward catalytic partial oxidation of methane. <i>Emergent Materials</i> , 2021, 4, 469-481.	5.7	4
11	Hydrogenolysis of Lignin-Derived Aromatic Ethers over Heterogeneous Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3379-3407.	6.7	59
12	Cinnamide derived pyrimidine-benzimidazole hybrids as tubulin inhibitors: Synthesis, in silico and cell growth inhibition studies. <i>Bioorganic Chemistry</i> , 2021, 110, 104765.	4.1	41
13	Unraveling the Role of CeO ₂ in Stabilization of Multivalent Mn Species on γ -MnO ₂ /Mn ₃ O ₄ /CeO ₂ /C Surface for Enhanced Electrocatalysis. <i>Energy & Fuels</i> , 2021, 35, 10756-10769.	5.1	18
14	Dinuclear orthometallated gold(I)-gold(III) anticancer complexes with potent <i>in vivo</i> activity through an ROS-dependent mechanism. <i>Metallomics</i> , 2021, 13, .	2.4	6
15	Triazolyl-Functionalized N-Heterocyclic Carbene Half-Sandwich Compounds: Coordination Mode, Reactivity and <i>in vitro</i> Anticancer Activity. <i>ChemMedChem</i> , 2021, 16, 3017-3026.	3.2	7
16	Alkali-Assisted Hydrothermal Exfoliation and Surfactant-Driven Functionalization of h-BN Nanosheets for Lubrication Enhancement. <i>ACS Applied Nano Materials</i> , 2021, 4, 9143-9154.	5.0	14
17	Facile conversion of zinc hydroxide carbonate to CaO-ZnO for selective CO ₂ gas detection. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 310-322.	9.4	32
18	Mercury in natural gas streams: A review of materials and processes for abatement and remediation. <i>Journal of Hazardous Materials</i> , 2020, 382, 121036.	12.4	49

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19	Conversion of γ -Valerolactone to Ethyl Valerate over Metal Promoted Ni/ZSM-5 Catalysts: Influence of Ni ⁰ /Ni ²⁺ Heterojunctions on Activity and Product Selectivity. ChemCatChem, 2020, 12, 1341-1349.	3.7	17
20	Vanadium pentoxide nanoparticle mediated perturbations in cellular redox balance and the paradigm of autophagy to apoptosis. Free Radical Biology and Medicine, 2020, 161, 198-211.	2.9	23
21	(η^6 -Arene) ruthenium(II) complexes with ferrocene-tethered salicylaldimine ligands: Synthesis, characterization and anti-cancer properties. Polyhedron, 2020, 192, 114829.	2.2	6
22	Selective conversion of furfural into tetrahydrofurfuryl alcohol using a heteropoly acid-based material as a hydrogenation catalyst. Sustainable Energy and Fuels, 2020, 4, 4768-4779.	4.9	14
23	Innovative Molecular Design Strategies in Materials Science Following the Auophilicity Concept. Chemical Reviews, 2020, 120, 7551-7591.	47.7	98
24	Self-assembled nanostructures of phosphomolybdate, nucleobase and metal ions synthesis and their <i>in vitro</i> cytotoxicity studies on cancer cell lines. Journal of Materials Chemistry B, 2020, 8, 11044-11054.	5.8	4
25	Carbon Dioxide Reforming of Methane over Mesoporous Alumina Supported Ni(Co), Ni(Rh) Bimetallic, and Ni(CoRh) Trimetallic Catalysts: Role of Nanoalloying in Improving the Stability and Nature of Coking. Energy & Fuels, 2020, 34, 16433-16444.	5.1	21
26	ZIF-C for targeted RNA interference and CRISPR/Cas9 based gene editing in prostate cancer. Chemical Communications, 2020, 56, 15406-15409.	4.1	37
27	Low-Temperature Hydrogen Sensor: Enhanced Performance Enabled through Photoactive Pd-Decorated TiO ₂ Colloidal Crystals. ACS Sensors, 2020, 5, 3902-3914.	7.8	41
28	Micro/nanofiber-based noninvasive devices for health monitoring diagnosis and rehabilitation. Applied Physics Reviews, 2020, 7, .	11.3	46
29	N-acetyl-d-glucosamine-conjugated PAMAM dendrimers as dual receptor-targeting nanocarriers for anticancer drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 154, 377-386.	4.3	36
30	Bimetallic Palladium-Nickel Nanoparticles Anchored on Carbon as High-Performance Electrocatalysts for Oxygen Reduction and Formic Acid Oxidation Reactions. ACS Applied Energy Materials, 2020, 3, 9285-9295.	5.1	36
31	Microbial Fuel Cell-Aided Processing of Kitchen Wastewater Using High-Performance Nanocomposite Membrane. Journal of Environmental Engineering, ASCE, 2020, 146, .	1.4	8
32	Exploration of carbamide derived pyrimidine-thioindole conjugates as potential VEGFR-2 inhibitors with anti-angiogenesis effect. European Journal of Medicinal Chemistry, 2020, 200, 112457.	5.5	61
33	Mercury-bearing wastes: Sources, policies and treatment technologies for mercury recovery and safe disposal. Journal of Environmental Management, 2020, 270, 110945.	7.8	33
34	A Novel Strategy for Sustainable Synthesis of Soluble Graphene by a Herb Delphinium denudatum Root Extract for Use as Lightweight Supercapacitors. ChemistrySelect, 2020, 5, 2701-2709.	1.5	5
35	Highly dispersed Mn ₂ O ₃ ~Co ₃ O ₄ nanostructures on carbon matrix as heterogeneous Fenton-like catalyst. Applied Organometallic Chemistry, 2020, 34, e5512.	3.5	10
36	Design of dendrimer based prodrugs. , 2020, , 199-210.		0

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37	Highly Dispersed MnO _x Nanoparticles on Shape-Controlled SiO ₂ Spheres for Ecofriendly Selective Allylic Oxidation of Cyclohexene. <i>Catalysis Letters</i> , 2020, 150, 3023-3035.	2.6	7
38	Antitumor and Antiangiogenic Properties of Gold(III) Complexes Containing Cycloaurated Triphenylphosphine Sulfide Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 5662-5673.	4.0	22
39	MOF-derived ceria-zirconia supported Co ₃ O ₄ catalysts with enhanced activity in CO ₂ methanation. <i>Catalysis Today</i> , 2020, 356, 519-526.	4.4	33
40	<i>In Vitro</i> and <i>In Vivo</i> Toxicity and Biodistribution of Paclitaxel-Loaded Cubosomes as a Drug Delivery Nanocarrier: A Case Study Using an A431 Skin Cancer Xenograft Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 4198-4207.	4.6	45
41	Long-range ordered TiO ₂ /Au hollow urchins: topology control for maskless electrodeposition. <i>Journal of Materials Chemistry A</i> , 2020, 8, 26035-26044.	10.3	8
42	Multi-directional electrodeposited gold nanospikes for antibacterial surface applications. <i>Nanoscale Advances</i> , 2019, 1, 203-212.	4.6	65
43	Pyrazolo-benzothiazole hybrids: Synthesis, anticancer properties and evaluation of antiangiogenic activity using <i>in vitro</i> VEGFR-2 kinase and <i>in vivo</i> transgenic zebrafish model. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111609.	5.5	65
44	Potent and Selective Cytotoxic and Anti-inflammatory Gold(III) Compounds Containing Cyclometalated Phosphine Sulfide Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 14089-14100.	3.3	16
45	MOF-derived noble-metal-free Cu/CeO ₂ with high porosity for the efficient water-gas shift reaction at low temperatures. <i>Catalysis Science and Technology</i> , 2019, 9, 4226-4231.	4.1	25
46	Process optimization using response surface methodology for the removal of thorium from aqueous solutions using rice-husk. <i>Chemosphere</i> , 2019, 237, 124488.	8.2	25
47	Co ₃ O ₄ needles on Au honeycomb as a non-invasive electrochemical biosensor for glucose in saliva. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111479.	10.1	54
48	Inorganic/Organic Heterojunctions: Long-Range Ordered Crystals of 3D Inorganic-Organic Heterojunctions via Colloidal Lithography (Small Methods 10/2019). <i>Small Methods</i> , 2019, 3, 1970034.	8.6	0
49	Unprecedented Formation of a Binuclear Au(II)-Au(II) Complex through Redox State Cycling: Electrochemical Interconversion of Au(I)-Au(I), Au(II)-Au(II), and Au(I)-Au(III) in Binuclear Complexes Containing the Carbanionic Ligand C6F4PPH ₂ . <i>Inorganic Chemistry</i> , 2019, 58, 13999-14004.	4.0	7
50	Sub-ppt level voltammetric sensor for Hg ²⁺ detection based on nafion stabilized l-cysteine-capped Au@Ag core-shell nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2073-2083.	2.5	4
51	Long-Range Ordered Crystals of 3D Inorganic-Organic Heterojunctions via Colloidal Lithography. <i>Small Methods</i> , 2019, 3, 1900080.	8.6	8
52	CeO ₂ -Decorated \pm -MnO ₂ Nanotubes: A Highly Efficient and Regenerable Sorbent for Elemental Mercury Removal from Natural Gas. <i>Langmuir</i> , 2019, 35, 8246-8256.	3.5	16
53	Synthesis and <i>in vitro</i> cytotoxicity evaluation of \hat{I}^2 -carboline-combretastatin carboxamides as apoptosis inducing agents: DNA intercalation and topoisomerase-II inhibition. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3285-3298.	3.0	34
54	Recent advances in preparation methods for catalytic thin films and coatings. <i>Catalysis Science and Technology</i> , 2019, 9, 3582-3602.	4.1	50

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55	Novel and Highly Efficient Strategy for the Green Synthesis of Soluble Graphene by Aqueous Polyphenol Extracts of Eucalyptus Bark and Its Applications in High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 11612-11620.	6.7	57
56	Synthesis of Fuel Grade Molecules from Hydroprocessing of Biomass-Derived Compounds Catalyzed by Magnetic Fe(NiFe)O ₄ -SiO ₂ Nanoparticles. Symmetry, 2019, 11, 524.	2.2	13
57	PdO/CuO Nanoparticles on Zeolite-Y for Nitroarene Reduction and Methanol Oxidation. ACS Applied Nano Materials, 2019, 2, 3769-3779.	5.0	26
58	Functionalization of Elongated Tetrahedral Au Nanoparticles and Their Antimicrobial Activity Assay. ACS Applied Materials & Interfaces, 2019, 11, 13450-13459.	8.0	38
59	Advances in diphosphine ligand-containing gold complexes as anticancer agents. Coordination Chemistry Reviews, 2019, 388, 343-359.	18.8	47
60	Synthesis, anti-proliferative and apoptosis-inducing studies of palladacycles containing a diphosphine and a Sn,As-based chelate ligand. Dalton Transactions, 2019, 48, 5183-5192.	3.3	2
61	Synthesis of Gold(I) Complexes Containing Cinnamide: In Vitro Evaluation of Anticancer Activity in 2D and 3D Spheroidal Models of Melanoma and In Vivo Angiogenesis. Inorganic Chemistry, 2019, 58, 5988-5999.	4.0	18
62	Using colloidal lithography to control the formation of gas sorption sites through galvanic replacement reaction. Journal of Colloid and Interface Science, 2019, 547, 199-205.	9.4	1
63	Fabrication of a novel ZnIn ₂ S ₄ /g-C ₃ N ₄ /graphene ternary nanocomposite with enhanced charge separation for efficient photocatalytic H ₂ evolution under solar light illumination. Photochemical and Photobiological Sciences, 2019, 18, 2952-2964.	2.9	36
64	Evaluation of plasmid DNA stability against ultrasonic shear stress and its <i>in vitro</i> delivery efficiency using ionic liquid [Bmim][PF ₆]. RSC Advances, 2019, 9, 29225-29231.	3.6	7
65	Isophorone- β -boronate ester: A simple chemosensor for optical detection of fluoride anion. Applied Organometallic Chemistry, 2019, 33, e4688.	3.5	11
66	Single step formation of biocompatible bimetallic alloy nanoparticles of gold and silver using isonicotinylhydrazide. Materials Science and Engineering C, 2019, 96, 286-294.	7.3	36
67	Preparation of Au nanoparticles on a magnetically responsive support via pyrolysis of a Prussian blue composite. Journal of Colloid and Interface Science, 2019, 540, 563-571.	9.4	9
68	Ranolazine-Functionalized Copper Nanoparticles as a Colorimetric Sensor for Trace Level Detection of As ³⁺ . Nanomaterials, 2019, 9, 83.	4.1	21
69	Flower-like Mn ₃ O ₄ /CeO ₂ microspheres as an efficient catalyst for diesel soot and CO oxidation: Synergistic effects for enhanced catalytic performance. Applied Surface Science, 2019, 473, 209-221.	6.1	75
70	Role of Ceria in the Design of Composite Materials for Elemental Mercury Removal. Chemical Record, 2019, 19, 1407-1419.	5.8	19
71	Synthesis of Benzo[d]imidazo[2,1-b]thiazole-Propenone Conjugates as Cytotoxic and Apoptotic Inducing Agents. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 347-355.	1.7	8
72	Hybrid Surface and Bulk Resonant Acoustics for Concurrent Actuation and Sensing on a Single Microfluidic Device. Analytical Chemistry, 2018, 90, 5335-5342.	6.5	9

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73	Oxygen-deficient photostable Cu ₂ O for enhanced visible light photocatalytic activity. <i>Nanoscale</i> , 2018, 10, 6039-6050.	5.6	115
74	Heterostructured Copper-Ceria and Iron-Ceria Nanorods: Role of Morphology, Redox, and Acid Properties in Catalytic Diesel Soot Combustion. <i>Langmuir</i> , 2018, 34, 2663-2673.	3.5	68
75	Highly Selective CO ₂ Gas Sensing Properties of CaO-BaTiO ₃ Heterostructures Effectuated through Discretely Created n-n Nanointerfaces. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4086-4097.	6.7	21
76	Synthesis of gold(I) phosphine complexes containing the 2-BrC ₆ F ₄ PPh ₂ ligand: Evaluation of anticancer activity in 2D and 3D spheroidal models of HeLa cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 291-301.	5.5	34
77	Microwave-assisted one-pot synthesis of new phenanthrene fused-tetrahydrodibenzo-acridinones as potential cytotoxic and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 173-185.	5.5	28
78	Electrochemical Detection of As (III) on a Manganese Oxide-Ceria (Mn ₂ O ₃ /CeO ₂) Nanocube Modified Au Electrode. <i>Electroanalysis</i> , 2018, 30, 928-936.	2.9	26
79	Gelatin controversies in food, pharmaceuticals, and personal care products: Authentication methods, current status, and future challenges. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1495-1511.	10.3	40
80	4- <i>N</i> -amidotriazole linked podophyllotoxin congeners: DNA topoisomerase-II \pm inhibition and potential anticancer agents for prostate cancer. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 595-611.	5.5	50
81	Molecular Dynamics Simulation for Prediction of Structure-Property Relationships of Pervaporation Membranes. , 2018, , 211-225.		2
82	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. <i>Nature Communications</i> , 2018, 9, 5070.	12.8	42
83	The use of [2-C ₆ R ₄ PPh ₂] (R ⁻ =H, F) and related carbanions as building blocks in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2018, 370, 69-128.	18.8	11
84	Straddled Band Aligned CuO/BaTiO ₃ Heterostructures: Role of Energetics at Nanointerface in Improving Photocatalytic and CO ₂ Sensing Performance. <i>ACS Applied Nano Materials</i> , 2018, 1, 3375-3388.	5.0	27
85	Direct Synthesis of Amides from Oxidative Coupling of Benzyl Alcohols or Benzylamines with <i>N</i> -Substituted Formamides Using a Cu-Fe-Based Heterogeneous Catalyst. <i>ChemistrySelect</i> , 2018, 3, 8436-8443.	1.5	8
86	Gold(I) and gold(III) phosphine complexes: synthesis, anticancer activities towards 2D and 3D cancer models, and apoptosis inducing properties. <i>Dalton Transactions</i> , 2018, 47, 15312-15323.	3.3	35
87	Volatile Memory: Nanostructured Fused Pyrrole Thin Films: Encoding Nano-Bits with Temporary Remanence (Adv. Electron. Mater. 8/2018). <i>Advanced Electronic Materials</i> , 2018, 4, 1870038.	5.1	1
88	Nanostructured Fused Pyrrole Thin Films: Encoding Nano-Bits with Temporary Remanence. <i>Advanced Electronic Materials</i> , 2018, 4, 1700626.	5.1	4
89	Synthesis of C ₅ -tethered indolyl-3-glyoxylamide derivatives as tubulin polymerization inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 1-12.	5.5	18
90	Synthesis of 2,3,6,7-tetramethoxyphenanthren-9-amine: An efficient precursor to access new 4-aza-2,3-dihydropyridophenanthrenes as apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 305-317.	5.5	43

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91	Nanoscale Cobalt–Manganese Oxide Catalyst Supported on Shape-Controlled Cerium Oxide: Effect of Nanointerface Configuration on Structural, Redox, and Catalytic Properties. <i>Langmuir</i> , 2017, 33, 1743-1750.	3.5	45
92	DFT Study of Nickel–Catalyzed Low-Temperature Methanol Synthesis. <i>ChemCatChem</i> , 2017, 9, 1837-1844.	3.7	4
93	Tin(IV) Compounds with 2-C ₆ F ₄ PPh ₂ Substituents and Their Reactivity toward Palladium(0): Formation of Tin–Palladium Complexes via Oxidative Addition. <i>Inorganic Chemistry</i> , 2017, 56, 5316-5327.	4.0	14
94	Defining the role of humidity in the ambient degradation of few-layer black phosphorus. <i>2D Materials</i> , 2017, 4, 015025.	4.4	110
95	Nickel–gold bimetallic monolayer colloidal crystals fabricated via galvanic replacement as a highly sensitive electrochemical sensor. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5441-5449.	5.8	8
96	Synthesis of thiazole linked indolyl-3-glyoxyamide derivatives as tubulin polymerization inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 83-95.	5.5	49
97	Conventional and microwave-assisted synthesis of new 1 H -benzimidazole-thiazolidinedione derivatives: A potential anticancer scaffold. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 234-245.	5.5	66
98	Solvent-free microwave-assisted synthesis of solketal from glycerol using transition metal ions promoted mordenite solid acid catalysts. <i>Molecular Catalysis</i> , 2017, 434, 184-193.	2.0	56
99	Direct Hydrogenolysis of Glycerol to Biopropanols over Metal Phosphate Supported Platinum Catalysts. <i>Catalysis Letters</i> , 2017, 147, 845-855.	2.6	22
100	Synthesis and biological evaluation of cis -restricted triazole/tetrazole mimics of combretastatin-benzothiazole hybrids as tubulin polymerization inhibitors and apoptosis inducers. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 977-999.	3.0	51
101	Co ₃ O ₄ @CeO ₂ hybrid flower-like microspheres: a strong synergistic peroxidase-mimicking artificial enzyme with high sensitivity for glucose detection. <i>Journal of Materials Chemistry B</i> , 2017, 5, 720-730.	5.8	96
102	Nanowire Morphology of Mono- and Bidoped δ -MnO ₂ Catalysts for Remarkable Enhancement in Soot Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32652-32666.	8.0	116
103	The Preparation of a AuCN/Prussian Blue Nanocube Composite through Galvanic Replacement Enhances Stability for Electrocatalysis.. <i>ChemistrySelect</i> , 2017, 2, 5333-5340.	1.5	9
104	Laying Waste to Mercury: Inexpensive Sorbents Made from Sulfur and Recycled Cooking Oils. <i>Chemistry - A European Journal</i> , 2017, 23, 16219-16230.	3.3	185
105	1,4-Dihydropyrrolo[3,2- <i>b</i>]pyrroles as a Single Component Photoactive Layer: A New Paradigm for Broadband Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27875-27882.	8.0	18
106	Quasi physisorptive two dimensional tungsten oxide nanosheets with extraordinary sensitivity and selectivity to NO ₂ . <i>Nanoscale</i> , 2017, 9, 19162-19175.	5.6	81
107	Peptide grafted and self-assembled poly(β -glutamic acid)-phenylalanine nanoparticles targeting camptothecin to glioma. <i>Nanomedicine</i> , 2017, 12, 1661-1674.	3.3	10
108	Combining additive manufacturing and catalysis: a review. <i>Catalysis Science and Technology</i> , 2017, 7, 3421-3439.	4.1	96

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109	Anti-cancer gold(I) phosphine complexes: Cyclic trimers and tetramers containing the P-Au-P moiety. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 1-8.	3.5	28
110	Au Nanospikes as a Non-enzymatic Glucose Sensor: Exploring Morphological Changes with the Elaborated Chronoamperometric Method. <i>Electroanalysis</i> , 2017, 29, 294-304.	2.9	13
111	Graphene-Gold Nanoparticles Hybrid Synthesis, Functionalization, and Application in a Electrochemical and Surface-Enhanced Raman Scattering Biosensor. <i>Materials</i> , 2016, 9, 406.	2.9	166
112	Hydrometallurgy. <i>Metals</i> , 2016, 6, 122.	2.3	7
113	A silver electrode based surface acoustic wave (SAW) mercury vapor sensor: a physio-chemical and analytical investigation. <i>RSC Advances</i> , 2016, 6, 36362-36372.	3.6	14
114	Synthesis of (Z)-1-(1,3-diphenyl-1H-pyrazol-4-yl)-3-(phenylamino)prop-2-en-1-one derivatives as potential anticancer and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 157-166.	5.5	47
115	Treatment of textile effluent containing recalcitrant dyes using MOF derived Fe-ZSM-5 heterogeneous catalyst. <i>RSC Advances</i> , 2016, 6, 51078-51088.	3.6	7
116	Activity and Selectivity of Platinum-Copper Bimetallic Catalysts Supported on Mordenite for Glycerol Hydrogenolysis to 1,3-Propanediol. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4461-4472.	3.7	59
117	Design, synthesis and apoptosis inducing effect of novel (Z)-3-(3-methoxy-4-(2-amino-2-oxoethoxy)-benzylidene)indolin-2-ones as potential antitumour agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 34-46.	5.5	60
118	Fe-doped CeO ₂ nanorods for enhanced peroxidase-like activity and their application towards glucose detection. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3874-3885.	5.8	151
119	Quadrupolar (A-D-A) Tetra-aryl 1,4-Dihydropyrrolo[3,2-b]pyrroles as Single Molecular Resistive Memory Devices: Substituent Triggered Amphoteric Redox Performance and Electrical Bistability. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11313-11323.	3.1	41
120	Synthesis and biological evaluation of imidazopyridinyl-1,3,4-oxadiazole conjugates as apoptosis inducers and topoisomerase III \pm inhibitors. <i>Bioorganic Chemistry</i> , 2016, 69, 7-19.	4.1	35
121	A QCM-based $\tilde{\omega}$ off TM mechanistic study of gas adsorption by plasmid DNA and DNA-[Bmim][PF ₆] construct. <i>RSC Advances</i> , 2016, 6, 81318-81329.	3.6	3
122	Study of thermal behavior of deoiled karanja seed cake biomass: thermogravimetric analysis and pyrolysis kinetics. <i>Energy Science and Engineering</i> , 2016, 4, 86-95.	4.0	22
123	Synthesis and biological evaluation of new benzimidazole-thiazolidinedione hybrids as potential cytotoxic and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 608-621.	5.5	80
124	Low-temperature CO oxidation over manganese, cobalt, and nickel doped CeO ₂ nanorods. <i>RSC Advances</i> , 2016, 6, 80541-80548.	3.6	83
125	Hydrogen Bubble Templated Growth of Honeycomb-Like Au-Pt Alloy Films for Non-Enzymatic Glucose Sensing. <i>Journal of the Electrochemical Society</i> , 2016, 163, B689-B695.	2.9	15
126	{111} faceted Li ₄ Ti ₅ O ₁₂ octahedra as the reference electrode material in a nanostructured potentiometric CO ₂ sensor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16418-16431.	10.3	17

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127	evaluation and apoptosis inducing studies. European Journal of Medicinal Chemistry, 2016, 122, 584-600.	5.5	55
128	Nanocrystalline FeOCl _x grafted MCM-41 as active mesoporous catalyst for the solvent-free multi-condensation reaction. RSC Advances, 2016, 6, 69334-69342.	3.6	2
129	Ordered Monolayer Gold Nano-urchin Structures and Their Size Induced Control for High Gas Sensing Performance. Scientific Reports, 2016, 6, 24625.	3.3	47
130	Candle-Soot Derived Photoactive and Superamphiphobic Fractal Titania Electrode. Chemistry of Materials, 2016, 28, 7919-7927.	6.7	36
131	Correlating the Energetics and Atomic Motions of the Metal-Insulator Transition of M1 Vanadium Dioxide. Scientific Reports, 2016, 6, 26391.	3.3	8
132	Design, synthesis and biological evaluation of N-((1-benzyl-1H-1,2,3-triazol-4-yl)methyl)-1,3-diphenyl-1H-pyrazole-4-carboxamides as CDK1/Cdc2 inhibitors. European Journal of Medicinal Chemistry, 2016, 122, 164-177.	5.5	52
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