Ali Mohammed Alsalme

List of Publications by Year
in descending order

162 papers	4,989 citations	117625 34 h-index	114465 63 g-index
162 all docs	162 docs citations	162 times ranked	7133 citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of rGO@ZnO Nanocomposites for Esterification of Acetic Acid. ACS Omega, 2022, 7, 2786-2797.	3.5	16
2	In situ-grown ZnO particles on g-C3N4 layers: a direct Z-scheme-driven photocatalyst for the degradation of dye and pharmaceutical pollutants under solar irradiation. Journal of Materials Science: Materials in Electronics, 2022, 33, 9774-9784.	2.2	12
3	Microwaveâ€assisted Nâ€alkylation of amines with alcohols catalyzed by MnCl₂: Anticancer, docking, and DFT studies. Archiv Der Pharmazie, 2022, 355, e2100443.	4.1	6
4	Antimicrobial and Toxicity Studies of Dodonaea aungustifolia Extractsâ€Mediated Green Synthesized Copper Oxide Particles. ChemistrySelect, 2022, 7, .	1.5	2
5	Piano-stool type (Î·6-p-cymene)ruthenium(II) thiazole-derived motifs complexes: Synthesis, crystal structures, DFT studies, molecular docking and in-vitro binding studies with HSA and cytotoxicity. Inorganica Chimica Acta, 2022, 537, 120925.	2.4	2
6	Organometallic (Î· ⁶ â€•p â€cymene)ruthenium(II) complexes with thiazolylâ€based organic twigs: En route towards targeted delivery via human serum albumin of the potential anticancer agents. Applied Organometallic Chemistry, 2022, 36, .	3.5	2
7	Aminobenzimidazoleâ€based (Î·⁶â€pâ€cymene)ruthenium (II) complexes as nascent anticancer chemotherapeutics: Synthesis, crystal structure, DFT studies, HSA interactions, molecular docking, and cytotoxicity. Applied Organometallic Chemistry, 2022, 36, .	3.5	3
8	Palm fatty acid distillate esterification using synthesized heterogeneous sulfonated carbon catalyst from plastic waste: Characterization, catalytic efficacy and stability, and fuel properties. Chemical Engineering Research and Design, 2022, 162, 1139-1151.	5.6	14
9	Systematic study of physicochemical and electrochemical properties of carbon nanomaterials. RSC Advances, 2022, 12, 15593-15600.	3.6	5
10	Cellulose Nanofibers@ZrO2 membrane for the separation of Hg(II) from aqueous media. Journal of Physics and Chemistry of Solids, 2022, 168, 110812.	4.0	12
11	Surface functionalization of mesoporous silica nanoparticles with brÃ¸nsted acids as a catalyst for esterificatsion reaction. Journal of King Saud University - Science, 2022, 34, 102106.	3.5	5
12	Synthesis and XRD of Novel Ni4(Âµ3-O)4 Twist Cubane Cluster Using Three NNO Mixed Ligands: Hirshfeld, Spectral, Thermal and Oxidation Properties. Journal of Cluster Science, 2021, 32, 227-234.	3.3	7
13	â€œTurnâ€“onâ€•benzophenone based fluorescence and colorimetric sensor for the selective detection of Fe2+ in aqueous media: Validation of sensing mechanism by spectroscopic and computational studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119156.	3.9	29
14	Syntheses of novel 1,<scp>5â€benzodiazepine</scp> derivatives: Crystal structures, spectroscopic characterizations, Hirshfeld surface analyses, molecular docking studies, <scp>DFT</scp> calculations, corrosion inhibition anticipation, and antibacterial activities. Journal of Heterocyclic Chemistry, 2021, 58, 270-289.	2.6	12
15	Instant Cyclohexene Epoxidation Over Ni-TUD-1 Under Ambient Conditions. Catalysis Letters, 2021, 151, 1612-1622.	2.6	8
16	Enhanced electrochemical performance of lanthanum ferrite decorated reduced graphene oxide nanocomposite electrodes prepared by in situ microwave irradiation for energy storage applications. International Journal of Energy Research, 2021, 45, 5272-5282.	4.5	9
17	Organometallic ruthenium (Î·⁶-p-cymene) complexes interfering with quorum sensing and biofilm formation: an anti-infective approach to combat multidrug-resistance in bacteria. New Journal of Chemistry, 2021, 45, 2184-2199.	2.8	5
18	Elucidation of molecular interactions of theaflavin monogallate with camel milk lactoferrin: detailed spectroscopic and dynamic simulation studies. RSC Advances, 2021, 11, 26710-26720.	3.6	7

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19	Evaluation of the Adsorption Efficiency of Glycine-, Iminodiacetic Acid -, and Amino Propyl-Functionalized Silica Nanoparticles for the Removal of Potentially Toxic Elements from Contaminated Water Solution. Journal of Nanomaterials, 2021, 2021, 1-12.	2.7	16
20	Excited-state electronic properties, structural studies, noncovalent interactions, and inhibition of the novel severe acute respiratory syndrome coronavirus 2 proteins in Ripretinib by first-principle simulations. Journal of Molecular Liquids, 2021, 324, 115134.	4.9	23
21	Bioactive Tryptophan-Based Copper Complex with Auxiliary Î²-Carboline Spectacle Potential on Human Breast Cancer Cells: In Vitro and In Vivo Studies. Molecules, 2021, 26, 1606.	3.8	6
22	Approximation of ground water quality for microbial and chemical contamination. Saudi Journal of Biological Sciences, 2021, 28, 1757-1762.	3.8	9
23	Selective Catalytic Oxidation of Toluene to Benzaldehyde: Effect of Aging Time and Calcination Temperature Using CuxZnyO Mixed Metal Oxide Nanoparticles. Catalysts, 2021, 11, 354.	3.5	3
24	Synthesis and characterization of starch based bioplatics using varying plant-based ingredients, plasticizers and natural fillers. Saudi Journal of Biological Sciences, 2021, 28, 1739-1749.	3.8	49
25	Polymorphic donorâ€“acceptor substituted chalcone: structural, spectral, dielectric and nonlinear optical properties for optical limiting applications. Chemical Papers, 2021, 75, 4749.	2.2	0
26	Synthesis, characterization, reaction mechanism prediction and biological study of mono, bis and tetrakis pyrazole derivatives against Fusarium oxysporum f. sp. Albedinis with conceptual DFT and ligand-protein docking studies. Bioorganic Chemistry, 2021, 110, 104696.	4.1	18
27	New Heterocyclic Compounds: Synthesis, Antioxidant Activity and Computational Insights of Nano-Antioxidant as Ascorbate Peroxidase Inhibitor by Various Cyclodextrins as Drug Delivery Systems. Current Drug Delivery, 2021, 18, 334-349.	1.6	6
28	Polyaniline as a sacrificing template for the synthesis of controlled Co3O4 nanoparticles for the sensitive and selective detection of methotrexate (MTX). Journal of Materials Science: Materials in Electronics, 2021, 32, 15594-15604.	2.2	1
29	Growth, structural, spectroscopic, optical, and mechanical studies of potassium hydrogen phthalate single crystals with glycine as additive. Journal of Materials Science: Materials in Electronics, 2021, 32, 18978-18993.	2.2	2
30	Synthesis of composite material of cobalt oxide (Co3O4) with hydroxide functionalized multi-walled carbon nanotubes (MWCNTs) for electrochemical determination of uric acid. Journal of Materials Science: Materials in Electronics, 2021, 32, 20047-20057.	2.2	0
31	Ultrasonic synthesis, XRD/HSA-interactions, DFT, time-dependence spectrophotometric stability and thermal analysis of the water-bridge {[Cu(phen)2Br]BrÂ·H2O} complex. Journal of King Saud University - Science, 2021, 33, 101464.	3.5	3
32	Amelioration of indole acetic acid-induced cytotoxicity in mice using zinc nanoparticles biosynthesized with Ochradenus arabicus leaf extract. Saudi Journal of Biological Sciences, 2021, 28, 7190-7201.	3.8	3
33	A novel biocompatible formate bridged 1D-Cu(<scp>ii</scp>) coordination polymer induces apoptosis selectively in human lung adenocarcinoma (A549) cells. Dalton Transactions, 2021, 50, 2253-2267.	3.3	5
34	2D g-C₃N₄ as a bifunctional photocatalyst for co-catalyst and sacrificial agent-free photocatalytic N₂ fixation and dye photodegradation. New Journal of Chemistry, 2021, 45, 7174-7184.	2.8	15
35	Non-noble metallic Cu with three different roles in a Cu doped ZnO/Cu/g-C₃N₄ heterostructure for enhanced Z-scheme photocatalytic activity. New Journal of Chemistry, 2021, 45, 13499-13511.	2.8	17
36	Diazo-pyrazole analogues as photosensitizers in dye sensitised solar cells: tuning for a better photovoltaic efficiency using a new modelling strategy using experimental and computational data. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1227-1245.	2.8	11

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37	Conversion of Waste Polyethylene Terephthalate (PET) Polymer into Activated Carbon and Its Feasibility to Produce Green Fuel. Polymers, 2021, 13, 3952.	4.5	18
38	Seasonal Variation, Fractional Isolation and Nanoencapsulation of Antioxidant Compounds of Indian Blackberry (Syzygium cumini). Antioxidants, 2021, 10, 1900.	5.1	0
39	Improved Photodegradation Behaviour of Ni_{1â€x}Fe_xCo₂O₄ (x=0.03)@gâ€C₃N₄ Nanocomposite against Organic Pollutants under Visibleâ€Light Irradiation. ChemistrySelect, 2021, 6, 12407-12415.	1.5	1
40	A Novel Heterogeneous Superoxide Support-Coated Catalyst for Production of Biodiesel from Roasted and Unroasted Sinapis arvensis Seed Oil. Catalysts, 2021, 11, 1421.	3.5	4
41	A Novel Combined Treatment Process of Hybrid Biosorbentâ€“Nanofiltration for Effective Pb(II) Removal from Wastewater. Water (Switzerland), 2021, 13, 3316.	2.7	5
42	Production of Biodiesel from Spirogyra elongata, a Common Freshwater Green Algae with High Oil Content. Sustainability, 2021, 13, 12737.	3.2	5
43	Comprehensive Comparison of Hetero-Homogeneous Catalysts for Fatty Acid Methyl Ester Production from Non-Edible Jatropha curcas Oil. Catalysts, 2021, 11, 1420.	3.5	7
44	Reversed ethane/ethylene adsorption in a metalâ€“organic framework via introduction of oxygen. Chinese Journal of Chemical Engineering, 2020, 28, 593-597.	3.5	19
45	Understanding the interaction between Î±-1-acid glycoprotein (AGP) and potential Cu/Zn metallo-drugs of benzimidazole derived organic motifs: A multi-spectroscopic and molecular docking study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117457.	3.9	15
46	Cost-effective adsorbent from arabinogalactan and pectin of cactus pear peels: Kinetics and thermodynamics studies. International Journal of Biological Macromolecules, 2020, 150, 941-947.	7.5	18
47	Rapid photocatalytic degradation of RhB dye and photocatalytic hydrogen production on novel curcumin/SnO2 nanocomposites through direct Z-scheme mechanism. Journal of Materials Science: Materials in Electronics, 2020, 31, 19188-19203.	2.2	28
48	Multi-walled carbon nanotube coupled Î²-Cyclodextrin/PANI hybrid photocatalyst for advance oxidative degradation of crystal violet. Journal of Molecular Liquids, 2020, 317, 114216.	4.9	23
49	Ag decorated V2O5 nanorods as cathode material for lithium ion battery. Journal of Materials Science: Materials in Electronics, 2020, 31, 14279-14286.	2.2	10
50	3D Nanoarchitecture of Polyaniline-MoS2 Hybrid Material for Hg(II) Adsorption Properties. Polymers, 2020, 12, 2731.	4.5	18
51	Modelling the structural and reactivity landscapes of tucatinib with special reference to its wavefunction-dependent properties and screening for potential antiviral activity. Journal of Molecular Modeling, 2020, 26, 341.	1.8	35
52	Influence of Antimony Oxide on Epoxy Based Intumescent Flame Retardation Coating System. Polymers, 2020, 12, 2721.	4.5	10
53	Dihydropyrimidinones: efficient one-pot green synthesis using Montmorillonite-KSF and evaluation of their cytotoxic activity. RSC Advances, 2020, 10, 42221-42234.	3.6	19
54	Plasmid-Mediated Ampicillin, Quinolone, and Heavy Metal Co-Resistance among ESBL-Producing Isolates from the Yamuna River, New Delhi, India. Antibiotics, 2020, 9, 826.	3.7	19

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55	Ecofriendly Green Synthesis of the ZnO-Doped CuO@Alg Bionanocomposite for Efficient Oxidative Degradation of p-Nitrophenol. ACS Omega, 2020, 5, 32011-32022.	3.5	26
56	Synthesis of Novel Tetra(Âµ3-Methoxo) Bridged with [Cu(II)-O-Cd(II)] Double-Open-Cubane Cluster: XRD/HSA-Interactions, Spectral and Oxidizing Properties. International Journal of Molecular Sciences, 2020, 21, 8787.	4.1	5
57	Fabrication of Zinc Oxide-Xanthan Gum Nanocomposite via Green Route: Attenuation of Quorum Sensing Regulated Virulence Functions and Mitigation of Biofilm in Gram-Negative Bacterial Pathogens. Coatings, 2020, 10, 1190.	2.6	13
58	Effective Enrichment and Quantitative Determination of Trace Hg2+ Ions Using CdS-Decorated Cellulose Nanofibrils. Nanomaterials, 2020, 10, 2218.	4.1	10
59	Instant and quantitative epoxidation of styrene under ambient conditions over a nickel(<scp>ii</scp>)dibenzotetramethyltetraaza[14]annulene complex immobilized on amino-functionalized SBA-15. RSC Advances, 2020, 10, 35407-35418.	3.6	5
60	An Ultramicroporous Metalâ€“Organic Framework for Sieving Separation of Carbon Dioxide from Methane. Small Structures, 2020, 1, 2000022.	12.0	33
61	Rhodium Nanoparticles Incorporated Mesoporous Silica as an Active Catalyst for Cyclohexene Hydrogenation under Ambient Conditions. Catalysts, 2020, 10, 925.	3.5	4
62	Exoâ‡”Endo Isomerism, MEP/DFT, XRD/HSA-Interactions of 2,5-Dimethoxybenzaldehyde: Thermal, 1BNA-Docking, Optical, and TD-DFT Studies. Molecules, 2020, 25, 5970.	3.8	4
63	Role of Copper Oxide on Epoxy Coatings with New Intumescent Polymer-Based Fire Retardant. Molecules, 2020, 25, 5978.	3.8	8
64	A Highly Efficient Ag Nanoparticle-Immobilized Alginate-g-Polyacrylonitrile Hybrid Photocatalyst for the Degradation of Nitrophenols. Polymers, 2020, 12, 3049.	4.5	12
65	First-Principle Studies of Istradefylline with Emphasis on the Stability, Reactivity, Interactions and Wavefunction-Dependent Properties. Polycyclic Aromatic Compounds, 2020, , 1-15.	2.6	15
66	Mono-Alkylated Ligands Based on Pyrazole and Triazole Derivatives Tested Against Fusarium oxysporum f. sp. albedinis: Synthesis, Characterization, DFT, and Phytase Binding Site Identification Using Blind Docking/Virtual Screening for Potent Fophy Inhibitors. Frontiers in Chemistry, 2020, 8, 559262.	3.6	12
67	Sonophotocatalytic Degradation of Malachite Green by Nanocrystalline Chitosan-Ascorbic Acid@NiFe2O4 Spinel Ferrite. Coatings, 2020, 10, 1200.	2.6	23
68	L-Ascorbic Acid-g-Polyaniline Mesoporous Silica Nanocomposite for Efficient Removal of Crystal Violet: A Batch and Fixed Bed Breakthrough Studies. Nanomaterials, 2020, 10, 2402.	4.1	9
69	Synthesis, physicochemical, thermal, and XRD/HSA interactions of mixed [Cu(Bipy)(Dipn)](X)₂ complexes: DNA binding and molecular docking evaluation. Journal of Coordination Chemistry, 2020, 73, 3236-3248.	2.2	15
70	Phenanthroimidazole derivatives as a chemosensor for picric acid: a first realistic approach. New Journal of Chemistry, 2020, 44, 20092-20100.	2.8	16
71	Aminophosphonic Acid Functionalized Cellulose Nanofibers for Efficient Extraction of Trace Metal Ions. Polymers, 2020, 12, 2370.	4.5	10
72	Synthesis and Spectral Identification of Three Schiff Bases with a 2-(Piperazin-1-yl)-N-(thiophen-2-yl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Antibacterial, and Molecular Docking Investigations. Molecules, 2020, 25, 2253.	3.8	22

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73	Î²-Carboline copper complex as a potential mitochondrial-targeted anticancer chemotherapeutic agent: Favorable attenuation of human breast cancer MCF7 cells via apoptosis. Saudi Journal of Biological Sciences, 2020, 27, 2164-2173.	3.8	11
74	Enhanced electrochemical performance of Î±-MoO3/graphene nanocomposites prepared by an in situ microwave irradiation technique for energy storage applications. RSC Advances, 2020, 10, 22836-22847.	3.6	22
75	Synthesis and physicochemical, DFT, thermal and DNA-binding analysis of a new pentadentate N₃S₂ Schiff base ligand and its [CuN₃S₂]²⁺ complexes. RSC Advances, 2020, 10, 21806-21821.	3.6	17
76	Synthesis, characterization and photo-catalytic activity of guar-gum-g-aliginate@silver bionanocomposite material. RSC Advances, 2020, 10, 7898-7911.	3.6	32
77	Structure of Imidazolium-N-phthalolylglycinate Salt Hydrate: Combined Experimental and Quantum Chemical Calculations Studies. Crystals, 2020, 10, 91.	2.2	1
78	Synthesis and amide imidic prototropic tautomerization in thiophene-2-carbohydrazide: XRD, DFT/HSA-computation, DNA-docking, TG and isoconversional kineticsviaFWO and KAS models. RSC Advances, 2020, 10, 2037-2048.	3.6	13
79	Surfactant-Free Synthesis of Nb2O5 Nanoparticles Anchored Graphene Nanocomposites with Enhanced Electrochemical Performance for Supercapacitor Electrodes. Nanomaterials, 2020, 10, 160.	4.1	31
80	Structural, Spectroscopic, and Chemical Bonding Analysis of Zn(II) Complex [Zn(sal)](H2O): Combined Experimental and Theoretical (NBO, QTAIM, and ELF) Investigation. Crystals, 2020, 10, 259.	2.2	13
81	Ionothermal Synthesis of Metal Oxide-Based Nanocatalysts and Their Application towards the Oxidative Desulfurization of Dibenzothiophene. Journal of Chemistry, 2020, 2020, 1-11.	1.9	8
82	Low temperature ionothermal synthesis of TiO 2 nanomaterials for efficient photocatalytic H 2 production, dye degradation and photoluminescence studies. International Journal of Energy Research, 2020, 44, 8362-8371.	4.5	8
83	Structural and physico-chemical evaluation of melatonin and its solution-state excited properties, with emphasis on its binding with novel coronavirus proteins. Journal of Molecular Liquids, 2020, 318, 114082.	4.9	64
84	Crystal structure, Hirshfeld surface analysis and DFT studies of 1,3-bis[2-methoxy-4-(prop-2-en-1-yl)phenoxy]propane. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 344-348.	0.5	2
85	Crystal structure, Hirshfeld surfaces, topology, energy frameworks and dielectric studies of 1-(2-chlorophenyl)- 3,3-bis(methylthio)prop-2-en-1-one. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 85-93.	0.8	6
86	Theoretical and experimental solid state studies of Ethyl 1-benzyl-2-(thiophen-3-yl)-1H-benzo[d]imidazole-5-carboxylate. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 569-579.	0.8	2
87	Exploring the promising potential of MoS2â€“RuS2 binary metal sulphide towards the electrocatalysis of antibiotic drug sulphadiazine. Analytica Chimica Acta, 2019, 1086, 55-65.	5.4	42
88	Coumarin Derived â€œTurn onâ€•Fluorescent Sensor for Selective Detection of Cadmium (II) Ion: Spectroscopic Studies and Validation of Sensing Mechanism by DFT Calculations. Journal of Fluorescence, 2019, 29, 1029-1037.	2.5	26
89	Antibacterial Effect of Silver Nanoparticles Synthesized Using Murraya koenigii (L.) against Multidrug-Resistant Pathogens. Bioinorganic Chemistry and Applications, 2019, 2019, 1-11.	4.1	148
90	A sensitive electrochemical determination of chemotherapy agent using graphitic carbon nitride covered vanadium oxide nanocomposite; sonochemical approach. Ultrasonics Sonochemistry, 2019, 58, 104664.	8.2	18

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91	High-performance electrochemical capacitor based on cuprous oxide/graphene nanocomposite electrode material synthesized by microwave irradiation method. Emergent Materials, 2019, 2, 495-504.	5.7	15
92	Novel Cr (III), Fe (III) and Ru (III) Vanillin Based Metalloâ€Pharmaceuticals for Cancer and Inflammation Treatment: Experimental and Theoretical Studies. Applied Organometallic Chemistry, 2019, 33, e5177.	3.5	15
93	Microporous Copper Isophthalate Framework of mot Topology for C₂H₂/CO₂ Separation. Crystal Growth and Design, 2019, 19, 5829-5835.	3.0	40
94	A metalâ€“organic framework with suitable pore size and dual functionalities for highly efficient post-combustion CO₂ capture. Journal of Materials Chemistry A, 2019, 7, 3128-3134.	10.3	124
95	Freestanding flexible, pure and composite form of reduced graphene oxide paper for ammonia vapor sensing. Scientific Reports, 2019, 9, 8749.	3.3	19
96	Sub-ppt level voltammetric sensor for Hg2+ detection based on nafion stabilized l-cysteine-capped Au@Ag core-shell nanoparticles. Journal of Solid State Electrochemistry, 2019, 23, 2073-2083.	2.5	4
97	Eco-friendly green synthesis of dextrin based poly (methyl methacrylate) grafted silver nanocomposites and their antibacterial and antibiofilm efficacy against multi-drug resistance pathogens. Journal of Cleaner Production, 2019, 230, 1148-1155.	9.3	57
98	Copper(II) complexes as potential anticancer and Nonsteroidal anti-inflammatory agents: In vitro and in vivo studies. Scientific Reports, 2019, 9, 5237.	3.3	171
99	In Situ Copolymerized Polyacrylamide Cellulose Supported Fe3O4 Magnetic Nanocomposites for Adsorptive Removal of Pb(II): Artificial Neural Network Modeling and Experimental Studies. Nanomaterials, 2019, 9, 1687.	4.1	17
100	Creating Well-Defined Hexabenzocoronene in Zirconium Metalâ€“Organic Framework by Postsynthetic Annulation. Journal of the American Chemical Society, 2019, 141, 2054-2060.	13.7	148
101	Evaluation of (É³⁶-p-cymene) ruthenium diclofenac complex as anticancer chemotherapeutic agent: interaction with biomolecules, cytotoxicity assays. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3905-3913.	3.5	10
102	Interference of phosphane copper (I) complexes of Î²-carboline with quorum sensing regulated virulence functions and biofilm in foodborne pathogenic bacteria: A first report. Saudi Journal of Biological Sciences, 2019, 26, 308-316.	3.8	14
103	Retrosynthesis of multi-component metalâˆ'organic frameworks. Nature Communications, 2018, 9, 808.	12.8	159
104	Oneâ€Step Synthesis of Hybrid Coreâ€“Shell Metalâ€“Organic Frameworks. Angewandte Chemie, 2018, 130, 3991-3996.	2.0	33
105	Oneâ€Step Synthesis of Hybrid Coreâ€“Shell Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 3927-3932.	13.8	125
106	Shape controlled synthesis of rod-like Co3O4 nanostructures as high-performance electrodes for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 6059-6067.	2.2	28
107	Tetranuclear cubane Cu4O4 complexes as prospective anticancer agents: Design, synthesis, structural elucidation, magnetism, computational and cytotoxicity studies. Inorganica Chimica Acta, 2018, 473, 121-132.	2.4	16
108	Stable metalâ€“organic frameworks as a host platform for catalysis and biomimetics. Chemical Communications, 2018, 54, 4231-4249.	4.1	137

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109	Heteroatom doped reduced graphene oxide paper for large area perovskite solar cells. Solar Energy, 2018, 163, 564-569.	6.1	36
110	Facile in-situ microwave irradiation synthesis of TiO2/graphene nanocomposite for high-performance supercapacitor applications. Journal of Electroanalytical Chemistry, 2018, 808, 90-100.	3.8	69
111	Catalytic Oxidation of Benzyl Alcohol Using Nanosized Cu/Ni Schiff-Base Complexes and Their Metal Oxide Nanoparticles. Catalysts, 2018, 8, 452.	3.5	56
112	Probing the Catalytic Efficiency of Supported Heteropoly Acids for Esterification: Effect of Weak Catalyst Support Interactions. Journal of Chemistry, 2018, 2018, 1-10.	1.9	15
113	Î²-Carboline Silver Compound Binding Studies with Human Serum Albumin: A Comprehensive Multispectroscopic Analysis and Molecular Modeling Study. Bioinorganic Chemistry and Applications, 2018, 2018, 1-11.	4.1	10
114	Construction of an Ultrasensitive and Highly Selective Nitrite Sensor Using Piroxicam-Derived Copper Oxide Nanostructures. Catalysts, 2018, 8, 29.	3.5	11
115	Cu II -Na I heteronuclear complex as anticancer entity against human breast cancer cell lines: DNA binding, cleavage, and Computational studies. Inorganica Chimica Acta, 2018, 479, 229-239.	2.4	14
116	Mixed-linker strategy for the construction of multifunctional metalâ€“organic frameworks. Journal of Materials Chemistry A, 2017, 5, 4280-4291.	10.3	163
117	Flexible Zirconium MOF as the Crystalline Sponge for Coordinative Alignment of Dicarboxylates. ACS Applied Materials & Interfaces, 2017, 9, 33408-33412.	8.0	48
118	A flexible thioether-based MOF as a crystalline sponge for structural characterization of liquid organic molecules. Materials Chemistry Frontiers, 2017, 1, 1764-1767.	5.9	15
119	Construction of hierarchically porous metalâ€“organic frameworks through linker labilization. Nature Communications, 2017, 8, 15356.	12.8	326
120	Synthesis and Property Studies of Molybdenum Disulfide Modified Reduced Graphene Oxide (MoS₂-rGO) Nanocomposites for Supercapacitor Applications. Journal of Nanoscience and Nanotechnology, 2017, 17, 5469-5474.	0.9	22
121	Double hydroxide mediated synthesis of nanostructured ZnCo 2 O 4 as high performance electrode material for supercapacitor applications. Chemical Engineering Journal, 2017, 321, 474-483.	12.7	97
122	Heteroleptic Copper(I) Complexes of â€œScorpionateâ€•Bis-pyrazolyl Carboxylate Ligand with Auxiliary Phosphine as Potential Anticancer Agents: An Insight into Cytotoxic Mode. Scientific Reports, 2017, 7, 45229.	3.3	42
123	Reduced graphene oxide paper as bimorphic electrical actuators. Materials Letters, 2017, 191, 182-185.	2.6	17
124	Biological evaluation of dinuclear copper complex/dichloroacetic acid cocrystal against human breast cancer: design, synthesis, characterization, DFT studies and cytotoxicity assays. RSC Advances, 2017, 7, 47920-47932.	3.6	38
125	Coumarin centered copper(<scp>ii</scp>) complex with appended-imidazole as cancer chemotherapeutic agents against lung cancer: molecular insight via DFT-based vibrational analysis. RSC Advances, 2017, 7, 36056-36071.	3.6	45
126	Freestanding flexible nitrogen doped-reduced graphene oxide film as an efficient electrode material for solid-state supercapacitors. Journal of Alloys and Compounds, 2017, 723, 995-1000.	5.5	33

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127	Comparative catalytic evaluation of nickel and cobalt substituted phosphomolybdic acid catalyst supported on silica for hydrodesulfurization of thiophene. Journal of Saudi Chemical Society, 2017, 21, 965-973.	5.2	15
128	Hexagonal-like NiCo2O4 nanostructure based high-performance supercapacitor electrodes. Ionics, 2017, 23, 977-984.	2.4	53
129	YCl3-Catalyzed Highly Selective Ring Opening of Epoxides by Amines at Room Temperature and under Solvent-Free Conditions. Catalysts, 2017, 7, 340.	3.5	4
130	Preferential synthesis of highly conducting Tl(TCNQ) phase II nanorod networks via electrochemically driven TCNQ/Tl(TCNQ) solid-solid phase transformation. Journal of Solid State Electrochemistry, 2016, 20, 3303-3314.	2.5	4
131	Biogenic synthesis of Zinc oxide nanostructures from Nigella sativa seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. Scientific Reports, 2016, 6, 36761.	3.3	128
132	Simpler and highly sensitive enzyme-free sensing of urea via NiO nanostructures modified electrode. RSC Advances, 2016, 6, 39001-39006.	3.6	49
133	In-situ microwave synthesis of grapheneâ€“TiO2 nanocomposites with enhanced photocatalytic properties for the degradation of organic pollutants. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 216-223.	3.8	55
134	Cefuroxime derived copper nanoparticles and their application as a colorimetric sensor for trace level detection of picric acid. RSC Advances, 2016, 6, 82882-82889.	3.6	30
135	Facile synthesis of nickel based nanostructures from Ni[EMIM]Cl2 ionic liquid precursor: effects of thermal and chemical methods on the properties of nanoparticles. RSC Advances, 2016, 6, 86340-86345.	3.6	4
136	Transition-metal norharmane compounds as possible cytotoxic agents: New insights based on a coordination chemistry perspective. Journal of Inorganic Biochemistry, 2016, 165, 128-135.	3.5	24
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138	Synthesis, characterization of Î±-amino acid Schiff base derived Ru/Pt complexes: Induces cytotoxicity in HepG2 cell via protein binding and ROS generation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 163, 1-7.	3.9	29
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