

# Sher Bahadar Khan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2220049/sher-bahadar-khan-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

362  
papers

10,887  
citations

60  
h-index

82  
g-index

399  
ext. papers

12,843  
ext. citations

4.6  
avg, IF

6.92  
L-index

#	Paper	IF	Citations
362	Mesoporous Co <sub>3</sub> O <sub>4</sub> as an electrocatalyst for water oxidation. <i>Nano Research</i> , <b>2013</b> , 6, 47-54	10	242
361	Exploration of CeO <sub>2</sub> nanoparticles as a chemi-sensor and photo-catalyst for environmental applications. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2987-92	10.2	193
360	Prospective of the cosmeceuticals derived from marine organisms. <i>Biotechnology and Bioprocess Engineering</i> , <b>2008</b> , 13, 511-523	3.1	174
359	Low-temperature growth of ZnO nanoparticles: photocatalyst and acetone sensor. <i>Talanta</i> , <b>2011</b> , 85, 943-9	6.2	144
358	Highly sensitive ethanol chemical sensor based on Ni-doped SnO <sub>2</sub> nanostructure materials. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 28, 127-34	11.8	140
357	CuO codoped ZnO based nanostructured materials for sensitive chemical sensor applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1346-51	9.5	139
356	Pollution, Toxicity and Carcinogenicity of Organic Dyes and their Catalytic Bio-Remediation. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 3645-3663	3.3	130
355	Role of ZnO-CeO <sub>2</sub> Nanostructures as a Photo-catalyst and Chemi-sensor. <i>Journal of Materials Science and Technology</i> , <b>2011</b> , 27, 594-600	9.1	127
354	Synthesis of zero-valent Cu nanoparticles in the chitosan coating layer on cellulose microfibers: evaluation of azo dyes catalytic reduction. <i>Cellulose</i> , <b>2016</b> , 23, 1911-1923	5.5	127
353	Green synthesis of plant supported CuAg and CuNi bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 260, 78-91	6	124
352	Fabrication of Highly Sensitive Ethanol Chemical Sensor Based on Sm-Doped Co <sub>3</sub> O <sub>4</sub> Nanokernels by a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 9503-9510	3.8	116
351	Dye adsorption and bactericidal properties of TiO <sub>2</sub> /chitosan coating layer. <i>Carbohydrate Polymers</i> , <b>2016</b> , 148, 153-60	10.3	115
350	A Comprehensive Review of Magnetic Nanomaterials Modern Day Theranostics. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	112
349	Photoinduced atom transfer radical polymerization using semiconductor nanoparticles. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 454-9	4.8	106
348	Ethanol chemi-sensor: Evaluation of structural, optical and sensing properties of CuO nanosheets. <i>Materials Letters</i> , <b>2011</b> , 65, 1400-1403	3.3	105
347	Nickel nanoparticles-chitosan composite coated cellulose filter paper: An efficient and easily recoverable dip-catalyst for pollutants degradation. <i>Environmental Pollution</i> , <b>2016</b> , 218, 625-633	9.3	105
346	Adsorption and photocatalyst assisted dye removal and bactericidal performance of ZnO/chitosan coating layer. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 584-90	7.9	104

345	CuO embedded chitosan spheres as antibacterial adsorbent for dyes. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 88, 113-9	7.9	99
344	Fabrication of ZnO nanoparticles based sensitive methanol sensor and efficient photocatalyst. <i>Applied Surface Science</i> , <b>2012</b> , 258, 7515-7522	6.7	97
343	Catalytic reduction of picric acid, nitrophenols and organic azo dyes via green synthesized plant supported Ag nanoparticles. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 268, 87-101	6	96
342	Highly-enhanced water resistant and oxygen barrier properties of cross-linked poly(vinyl alcohol) hybrid films for packaging applications. <i>Progress in Organic Coatings</i> , <b>2015</b> , 85, 68-75	4.8	95
341	Natural polymers supported copper nanoparticles for pollutants degradation. <i>Applied Surface Science</i> , <b>2016</b> , 387, 1154-1161	6.7	94
340	Preparation and characterization of UV-cured polyurethane acrylate/ZnO nanocomposite films based on surface modified ZnO. <i>Progress in Organic Coatings</i> , <b>2012</b> , 74, 435-442	4.8	92
339	Preparation and properties of poly(propylene carbonate) and nanosized ZnO composite films for packaging applications. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1101-1108	2.9	92
338	An efficient and easily retrievable dip catalyst based on silver nanoparticles/chitosan-coated cellulose filter paper. <i>Cellulose</i> , <b>2016</b> , 23, 3577-3588	5.5	90
337	Antibacterial nanocomposites based on chitosan/Co-MCM as a selective and efficient adsorbent for organic dyes. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 744-51	7.9	88
336	Novel combination of zero-valent Cu and Ag nanoparticles @ cellulose acetate nanocomposite for the reduction of 4-nitro phenol. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 868-877	7.9	84
335	Smart chemical sensor and active photo-catalyst for environmental pollutants. <i>Chemical Engineering Journal</i> , <b>2011</b> , 173, 178-184	14.7	83
334	Mechanical and radiation shielding properties of tellurite glasses doped with ZnO and NiO. <i>Ceramics International</i> , <b>2020</b> , 46, 19078-19083	5.1	82
333	Assessment of antibacterial cellulose nanocomposites for water permeability and salt rejection. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 24, 266-275	6.3	81
332	Chitosan-titanium oxide fibers supported zero-valent nanoparticles: Highly efficient and easily retrievable catalyst for the removal of organic pollutants. <i>Scientific Reports</i> , <b>2018</b> , 8, 6260	4.9	81
331	Multi-layered mesoporous TiO <sub>2</sub> thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1591-1599	13	81
330	Synthesis, characterizations, photocatalytic and sensing studies of ZnO nanocapsules. <i>Applied Surface Science</i> , <b>2011</b> , 258, 672-677	6.7	81
329	Chitosan coated cotton cloth supported zero-valent nanoparticles: Simple but economically viable, efficient and easily retrievable catalysts. <i>Scientific Reports</i> , <b>2017</b> , 7, 16957	4.9	80
328	Highly sensitive formaldehyde chemical sensor based on hydrothermally prepared spinel ZnFe <sub>2</sub> O <sub>4</sub> nanorods. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 171-172, 932-937	8.5	80

327	Anti-bacterial chitosan/zinc phthalocyanine fibers supported metallic and bimetallic nanoparticles for the removal of organic pollutants. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 676-689	10.3	79
326	Synthesis and catalytic properties of silver nanoparticles supported on porous cellulose acetate sheets and wet-spun fibers. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 294-302	10.3	79
325	Highly sensitive methanol chemical sensor based on undoped silver oxide nanoparticles prepared by a solution method. <i>Mikrochimica Acta</i> , <b>2012</b> , 178, 99-106	5.8	79
324	Synthesis and characterization of metal nanoparticles templated chitosan-SiO catalyst for the reduction of nitrophenols and dyes. <i>Carbohydrate Polymers</i> , <b>2018</b> , 192, 217-230	10.3	78
323	Bactericidal and catalytic performance of green nanocomposite based-on chitosan/carbon black fiber supported monometallic and bimetallic nanoparticles. <i>Chemosphere</i> , <b>2017</b> , 188, 588-598	8.4	77
322	Synthesis, characterization of silver nanoparticle embedded polyaniline tungstophosphate-nanocomposite cation exchanger and its application for heavy metal selective membrane. <i>Composites Part B: Engineering</i> , <b>2013</b> , 45, 1486-1492	10	75
321	Fabrication of highly sensitive acetone sensor based on sonochemically prepared as-grown Ag <sub>2</sub> O nanostructures. <i>Chemical Engineering Journal</i> , <b>2012</b> , 192, 122-128	14.7	73
320	Hierarchical Cu <sub>2</sub> S microsponges constructed from nanosheets for efficient photocatalysis. <i>Small</i> , <b>2013</b> , 9, 2702-8	11	72
319	Characterization and applications of as-grown Fe <sub>2</sub> O <sub>3</sub> nanoparticles prepared by hydrothermal method. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 3789-3799	2.3	72
318	Thin layer chitosan-coated cellulose filter paper as substrate for immobilization of catalytic cobalt nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 56-62	7.9	69
317	Biosynthesis of silver nanoparticles: A colorimetric optical sensor for detection of hexavalent chromium and ammonia in aqueous solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 103, 367-376	3	68
316	Antibacterial PES-CA-Ag <sub>2</sub> O nanocomposite supported Cu nanoparticles membrane toward ultrafiltration, BSA rejection and reduction of nitrophenol. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 230, 616-624	6.24	67
315	Anti-bacterial PES-cellulose composite spheres: dual character toward extraction and catalytic reduction of nitrophenol. <i>RSC Advances</i> , <b>2016</b> , 6, 110077-110090	3.7	67
314	Electrochemical determination of olmesartan medoxomil using hydrothermally prepared nanoparticles composed SnO <sub>2</sub> -Co <sub>3</sub> O <sub>4</sub> nanocubes in tablet dosage forms. <i>Talanta</i> , <b>2012</b> , 99, 924-31	6.2	66
313	Chloride ion sensors based on low-dimensional MnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanoparticles fabricated glassy carbon electrodes by simple IV technique. <i>Electrochimica Acta</i> , <b>2013</b> , 103, 143-150	6.7	66
312	Structure and thermal properties of octadecane/expanded graphite composites as shape-stabilized phase change materials. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 95, 735-741	4.9	65
311	An assessment of zinc oxide nanosheets as a selective adsorbent for cadmium. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 377	5	65
310	Preparation and characterization of poly(propylene carbonate)/exfoliated graphite nanocomposite films with improved thermal stability, mechanical properties and barrier properties. <i>Polymer International</i> , <b>2013</b> , 62, 1386-1394	3.3	65

309	Green synthesis of zerovalent copper nanoparticles for efficient reduction of toxic azo dyes congo red and methyl orange. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 135-143	3.9	64
308	Chitosan-coated polyurethane sponge supported metal nanoparticles for catalytic reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 772-783	7.9	63
307	Highly sensitive and stable phenyl hydrazine chemical sensors based on CuO flower shapes and hollow spheres. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1098	3.6	63
306	UV-cured poly(urethane acrylate) composite films containing surface-modified tetrapod ZnO whiskers. <i>Composites Science and Technology</i> , <b>2013</b> , 75, 84-92	8.6	63
305	Recent Development of Chitosan Nanocomposites for Environmental Applications. <i>Recent Patents on Nanotechnology</i> , <b>2016</b> , 10, 181-188	1.2	62
304	Chemical sensor development based on polycrystalline gold electrode embedded low-dimensional Ag <sub>2</sub> O nanoparticles. <i>Electrochimica Acta</i> , <b>2013</b> , 112, 422-430	6.7	61
303	Synthesis and environmental applications of cellulose/ZrO <sub>2</sub> nanohybrid as a selective adsorbent for nickel ion. <i>Composites Part B: Engineering</i> , <b>2013</b> , 50, 253-258	10	61
302	Mixed micellization between amphiphilic drug promethazine hydrochloride and cationic surfactant (conventional as well as gemini). <i>Journal of Molecular Liquids</i> , <b>2013</b> , 177, 19-25	6	60
301	Acetone sensor based on solvothermally prepared ZnO doped with CoO nanorods. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 675-685	5.8	60
300	Enzyme inhibiting lignans from <i>Vitex negundo</i> . <i>Chemical and Pharmaceutical Bulletin</i> , <b>2004</b> , 52, 1269-72	1.9	60
299	Visible light activated degradation of organic pollutants using zinc iron selenide. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 229, 429-435	6	57
298	Fabrication of a methanol chemical sensor based on hydrothermally prepared Fe <sup>3+</sup> -doped SnO <sub>2</sub> nanocubes. <i>Talanta</i> , <b>2012</b> , 95, 18-24	6.2	56
297	Assessment of Anti-bacterial Ni-Al/chitosan Composite Spheres for Adsorption Assisted Photo-Degradation of Organic Pollutants. <i>Current Nanoscience</i> , <b>2016</b> , 12, 569-575	1.4	56
296	Toward the design of ZnAl and ZnCr LDH wrapped in activated carbon for the solar assisted de-coloration of organic dyes. <i>RSC Advances</i> , <b>2016</b> , 6, 83196-83208	3.7	55
295	Bacterial cellulose as support for biopolymer stabilized catalytic cobalt nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 135, 1162-1170	7.9	54
294	Cobalt doped antimony oxide nano-particles based chemical sensor and photo-catalyst for environmental pollutants. <i>Applied Surface Science</i> , <b>2012</b> , 261, 52-58	6.7	54
293	Physicochemical characterization of Malaysian crop and agro-industrial biomass residues as renewable energy resources. <i>Industrial Crops and Products</i> , <b>2018</b> , 111, 642-650	5.9	54
292	Layered double hydroxide of Cd-Al/C for the Mineralization and De-coloration of Dyes in Solar and Visible Light Exposure. <i>Scientific Reports</i> , <b>2016</b> , 6, 35107	4.9	53

291	A fascinating combination of Co, Ni and Al nanomaterial for oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2016</b> , 370, 445-451	6.7	53
290	Assessment of long-range corrected functionals for the prediction of non-linear optical properties of organic materials. <i>Chemical Physics Letters</i> , <b>2013</b> , 575, 122-125	2.5	53
289	Synthesis and characterization of novel UV-curable polyurethane/clay nanohybrid: Influence of organically modified layered silicates on the properties of polyurethane. <i>Progress in Organic Coatings</i> , <b>2011</b> , 71, 36-42	4.8	53
288	Detection of aripiprant drug based on low-dimensional un-doped iron oxide nanoparticles prepared by a solution method. <i>Electrochimica Acta</i> , <b>2012</b> , 75, 164-170	6.7	51
287	Tyrosinase inhibitory lignans from the methanol extract of the roots of <i>Vitex negundo</i> Linn. and their structure-activity relationship. <i>Phytomedicine</i> , <b>2006</b> , 13, 255-60	6.5	51
286	Highly efficient removal of acid red-17 and bromophenol blue dyes from industrial wastewater using graphene oxide functionalized magnetic chitosan composite. <i>Polymer Composites</i> , <b>2018</b> , 39, 3317-3328	3	50
285	Chemo-sensors development based on low-dimensional codoped Mn <sub>2</sub> O <sub>3</sub> -ZnO nanoparticles using flat-silver electrodes. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 60		50
284	Selective determination of gold(III) ion using CuO microsheets as a solid phase adsorbent prior by ICP-OES measurement. <i>Talanta</i> , <b>2013</b> , 104, 75-82	6.2	50
283	Micellization behavior of amphiphilic drug promazine hydrochloride and sodium dodecyl sulfate mixtures at various temperatures: Effect of electrolyte and urea. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 532-543	6	49
282	Efficient solar photocatalyst based on cobalt oxide/iron oxide composite nanofibers for the detoxification of organic pollutants. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 510	5	49
281	Special susceptible aqueous ammonia chemi-sensor: extended applications of novel UV-curable polyurethane-clay nanohybrid. <i>Talanta</i> , <b>2011</b> , 84, 1005-10	6.2	49
280	Selective detection of toxic Pb(II) ions based on wet-chemically prepared nanosheets integrated CuO/ZnO nanocomposites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 54, 215-223	10	48
279	A facile synthesis of CuAg nanoparticles on highly porous ZnO/carbon black-cellulose acetate sheets for nitroarene and azo dyes reduction/degradation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 130, 288-299	7.9	48
278	Physicochemical Properties of Amphiphilic Drug and Anionic Surfactant Mixtures: Experimental and Theoretical Approach. <i>Journal of Dispersion Science and Technology</i> , <b>2015</b> , 36, 521-531	1.5	47
277	Synthesis, characterization, and application of AuAg alloy nanoparticles for the sensing of an environmental toxin, pyrene. <i>Journal of Applied Electrochemistry</i> , <b>2015</b> , 45, 463-472	2.6	46
276	Fabrication of chloroform sensor based on hydrothermally prepared low-dimensional Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Superlattices and Microstructures</i> , <b>2011</b> , 50, 369-376	2.8	46
275	Synthesis and characterization of novel UV-Curable PU-Si hybrids: Influence of silica on thermal, mechanical, and water sorption properties of polyurethane acrylates. <i>Macromolecular Research</i> , <b>2011</b> , 19, 1006-1013	1.9	45
274	Semiconductor nanoparticles for photoinitiation of free radical polymerization in aqueous and organic media. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 1500-1507	2.5	44

273	Anticancer, antibacterial and pollutant degradation potential of silver nanoparticles from <i>Hyphaene thebaica</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 490, 889-894	3.4	44
272	Aggregation behaviour of amphiphilic drug and bile salt mixtures at different compositions and temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 64, 28-39	2.9	43
271	Performance of cellulose acetate-ferric oxide nanocomposite supported metal catalysts toward the reduction of environmental pollutants. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 668-677	7.9	41
270	Novel synthesis of silver nanoparticles using melon aqueous extract and evaluation of their feeding deterrent activity against housefly <i>Musca domestica</i> . <i>Asian Pacific Journal of Tropical Disease</i> , <b>2016</b> , 6, 311-316		40
269	Humidity and temperature sensing properties of copper oxide-Si-adhesive nanocomposite. <i>Talanta</i> , <b>2014</b> , 120, 443-9	6.2	39
268	Electrochemical detection and catalytic removal of 4-nitrophenol using CeO <sub>2</sub> -Cu <sub>2</sub> O and CeO <sub>2</sub> -Cu <sub>2</sub> O/CH nanocomposites. <i>Applied Surface Science</i> , <b>2019</b> , 492, 726-735	6.7	38
267	Electro-catalyst based on cerium doped cobalt oxide for oxygen evolution reaction in electrochemical water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 5294-5302 <sup>2.1</sup>		36
266	SnO <sub>2</sub> /TiO <sub>2</sub> nanocomposites as new adsorbent for efficient removal of La(III) ions from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 1964-1974	5.3	36
265	Antiproliferation and antibacterial effect of biosynthesized AgNps from leaves extract of <i>Guiera senegalensis</i> and its catalytic reduction on some persistent organic pollutants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 175, 99-108	6.7	36
264	Selective Iron(III) ion uptake using CuO-TiO <sub>2</sub> nanostructure by inductively coupled plasma-optical emission spectrometry. <i>Chemistry Central Journal</i> , <b>2012</b> , 6, 158		36
263	Tyrosinase inhibitory cycloartane type triterpenoids from the methanol extract of the whole plant of <i>Amberboa ramosa</i> Jafri and their structure-activity relationship. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 938-43	3.4	36
262	Microwave Assisted Synthesis and Carboxymethyl Cellulose Stabilized Copper Nanoparticles on Bacterial Cellulose Nanofibers Support for Pollutants Degradation. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 2867-2877	4.5	35
261	Agarose biopolymer coating on polyurethane sponge as host for catalytic silver metal nanoparticles. <i>Polymer Testing</i> , <b>2019</b> , 78, 105983	4.5	35
260	Copper nanoparticles embedded chitosan for efficient detection and reduction of nitroaniline. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 666-675	7.9	34
259	Impedimetric sensing of humidity and temperature using CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanoparticles in polymer hosts. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2019-2026	5.8	33
258	Bile Salts Aggregation Behavior at Various Temperatures under the Influence of Amphiphilic Drug Imipramine Hydrochloride in Aqueous Medium. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2014</b> , 228,	3.1	33
257	Alumina-coated Ag nanocrystal monolayers as surfaceenhanced Raman spectroscopy platforms for the direct spectroscopic detection of water splitting reaction intermediates. <i>Nano Research</i> , <b>2014</b> , 7, 132-143	10	33
256	Polymer Nanocomposite Membranes for Antifouling Nanofiltration. <i>Recent Patents on Nanotechnology</i> , <b>2016</b> , 10, 189-201	1.2	33

255	Core-shell cobalt oxide mesoporous silica based efficient electro-catalyst for oxygen evolution. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 5561-5569	3.6	32
254	Development of photocatalysts for selective and efficient organic transformations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 148, 209-222	6.7	32
253	Fabrication of smart chemical sensors based on transition-doped-semiconductor nanostructure materials with $\mu$ -chips. <i>PLoS ONE</i> , <b>2014</b> , 9, e85036	3.7	32
252	Cerium based photocatalysts for the degradation of acridine orange in visible light. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 20-26	6	31
251	Chitosan coated cellulose cotton fibers as catalyst for the H <sub>2</sub> production from NaBH <sub>4</sub> methanolysis. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4143-4155	6.7	31
250	Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 1071-1078	6.3	31
249	Fabrication of non-enzymatic sensor using Co doped ZnO nanoparticles as a marker of H <sub>2</sub> O <sub>2</sub> . <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2014</b> , 62, 21-27	3	31
248	Facile synthesis of doped ZnO-CdO nanoblocks as solid-phase adsorbent and efficient solar photo-catalyst applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 2278-2286	6.3	31
247	Sol-gel synthesis and characterization of conducting polythiophene/tin phosphate nano tetrapod composite cation-exchanger and its application as Hg(II) selective membrane electrode. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 65, 160-169	2.3	31
246	Effect of acrylic acid on the physical properties of UV-cured poly(urethane acrylate-co-acrylic acid) films for metal coating. <i>Progress in Organic Coatings</i> , <b>2011</b> , 71, 110-116	4.8	31
245	Agar hydrogel supported metal nanoparticles catalyst for pollutants degradation in water	136, 290-298	31
244	Chitosan nanocomposite fibers supported copper nanoparticles based perceptive sensor and active catalyst for nitrophenol in real water. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 650-662	10.3	31
243	Effect of gelatin on micellization and microstructural behavior of amphiphilic amitriptyline hydrochloride drug solution: A detailed study. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 89, 112-122	2.9	30
242	Enhanced H <sub>2</sub> generation from NaBH <sub>4</sub> hydrolysis and methanolysis by cellulose micro-fibrous cottons as metal templated catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 6539-6550	6.7	30
241	Albizia chevalier based Ag nanoparticles: Anti-proliferation, bactericidal and pollutants degradation performance. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 182, 62-70	6.7	30
240	A computational study of the nonlinear optical properties of carbazole derivatives: theory refines experiment. <i>Theoretical Chemistry Accounts</i> , <b>2014</b> , 133, 1	1.9	30
239	Co <sub>3</sub> O <sub>4</sub> co-doped TiO <sub>2</sub> nanoparticles as a selective marker of lead in aqueous solution. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2888	3.6	30
238	A SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> nanocomposite for selective adsorption of lead ions from water samples prior to their determination by ICP-OES. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 579-588	5.8	29



237	A facile route to cage-like mesoporous silica coated ZSM-5 combined with Pt immobilization. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7525	13	29
236	A microchip based fluoride sensor based on the use of CdO doped ferric oxide nanocubes. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 487-494	5.8	28
235	Sensitive and fast response ethanol chemical sensor based on as-grown Gd <sub>2</sub> O <sub>3</sub> nanostructures. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 214-220	3.7	28
234	Fabrication and investigation of cellulose acetate-copper oxide nano-composite based humidity sensors. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 246, 58-65	3.9	28
233	Overcoming challenges for amplified expression of recombinant proteins using Escherichia coli. <i>Protein Expression and Purification</i> , <b>2018</b> , 144, 12-18	2	27
232	Preparation and properties of poly(urethane acrylate) (PUA) and tetrapod ZnO whisker (TZnO-W) composite films. <i>Polymer International</i> , <b>2013</b> , 62, 257-265	3.3	27
231	Growth of Mn <sub>3</sub> O <sub>4</sub> on cellulose matrix: Nanohybrid as a solid phase adsorbent for trivalent chromium. <i>Applied Surface Science</i> , <b>2013</b> , 270, 539-544	6.7	27
230	Nitrophenol chemi-sensor and active solar photocatalyst based on spinel hetaerolite nanoparticles. <i>PLoS ONE</i> , <b>2014</b> , 9, e85290	3.7	27
229	Anionic polysaccharide stabilized nickel nanoparticles-coated bacterial cellulose as a highly efficient dip-catalyst for pollutants reduction. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 145, 104395	4.6	27
228	Green synthesis of antibacterial bimetallic AgAu nanoparticles for catalytic reduction of persistent organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20840-20855	2.1	27
227	Ultraviolet-curable polyurethane acrylate nanocomposite coatings based on surface-modified calcium carbonate. <i>Progress in Organic Coatings</i> , <b>2015</b> , 85, 22-30	4.8	26
226	Visible light functioning photocatalyst based on Al <sub>2</sub> O <sub>3</sub> doped Mn <sub>3</sub> O <sub>4</sub> nanomaterial for the degradation of organic toxin. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 355	5	26
225	Medicago polymorpha-mediated antibacterial silver nanoparticles in the reduction of methyl orange. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 118-127	3.9	26
224	Photochromic and nonlinear optical properties of fulgides: A density functional theory study. <i>Computational and Theoretical Chemistry</i> , <b>2013</b> , 1022, 82-85	2	26
223	Visible-Light-Induced Copper(I)-Catalyzed Azide-Alkyne Cycloaddition Initiated by Zinc Oxide Semiconductor Nanoparticles. <i>Asian Journal of Organic Chemistry</i> , <b>2015</b> , 4, 442-444	3	26
222	Protective effect of Amphiroa dilatata on ROS induced oxidative damage and MMP expressions in HT1080 cells. <i>Biotechnology and Bioprocess Engineering</i> , <b>2010</b> , 15, 191-198	3.1	26
221	Efficient electrochemical detection and extraction of copper ions using ZnSe@CdSe/SiO <sub>2</sub> core-shell nanomaterial. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 73, 118-127	6.3	25
220	Self-Aggregation Phenomenon of Promazine Hydrochloride Under the Influence of Sodium Cholate/Sodium Deoxycholate in Aqueous Medium. <i>Journal of Dispersion Science and Technology</i> , <b>2016</b> , 37, 450-463	1.5	25

219	Exploration of calcium doped zinc oxide nanoparticles as selective adsorbent for extraction of lead ion. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 19311-19320		25
218	Development of efficient chemi-sensor and photo-catalyst based on wet-chemically prepared ZnO nanorods for environmental remediation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 2733-2741	5.3	25
217	Bond-based 2D quadratic fingerprints in QSAR studies: virtual and in vitro tyrosinase inhibitory activity elucidation. <i>Chemical Biology and Drug Design</i> , <b>2010</b> , 76, 538-45	2.9	25
216	Tyrosinase-inhibitory long-chain esters from <i>Amberboa ramosa</i> . <i>Chemical and Pharmaceutical Bulletin</i> , <b>2005</b> , 53, 86-9	1.9	25
215	Scanning Electron Microscopy: Principle and Applications in Nanomaterials Characterization <b>2018</b> , 113-145		25
214	Exploration of silver oxide nanoparticles as a pointer of lanthanum for environmental applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 2770-2776	5.3	24
213	Isolation and biochemical characterization of collagens from seaweed pipefish, <i>Syngnathus schlegeli</i> . <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 436-442	3.1	24
212	Synthesis and Characterization of Silver Nanoparticles-Filled Polyethersulfone Membranes for Antibacterial and Anti-Biofouling Application. <i>Recent Patents on Nanotechnology</i> , <b>2016</b> , 10, 231-251	1.2	24
211	Metal nanoparticles decorated sodium alginate-carbon nitride composite beads as effective catalyst for the reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 1087-1098	7.9	24
210	Preparation and characterization of PES-cobalt nanocomposite membranes with enhanced anti-fouling properties and performances. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 65, 405-419	5.3	24
209	Impedimetric humidity and temperature sensing properties of chitosan-CuMn <sub>2</sub> O <sub>4</sub> spinel nanocomposite. <i>Ceramics International</i> , <b>2019</b> , 45, 10565-10571	5.1	24
208	Cellulose acetate-Ce/Zr@Cu catalyst for the degradation of organic pollutant. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 153, 806-816	7.9	23
207	Redox Mechanism and Evaluation of Kinetic and Thermodynamic Parameters of 1,3-Dioxolo[4,5-g]pyrido[2,3-b]quinoxaline Using Electrochemical Techniques. <i>Electroanalysis</i> , <b>2014</b> , 26, 2292-2300	3	23
206	Probing the pH dependent electrochemistry of a novel quinoxaline carboxylic acid derivative at a glassy carbon electrode. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 121-128	6.7	23
205	Crystallographic Studies of Dehydration Phenomenon in Methyl 3-hydroxy-2-methyl-1,1,4-trioxo-1,2,3,4-tetrahydro-1[6-benzo[e][1,2]thiazine-3-carboxylate. <i>Journal of Chemical Crystallography</i> , <b>2013</b> , 43, 671-676	0.5	23
204	Metal nanoparticles containing chitosan wrapped cellulose nanocomposites for catalytic hydrogen production and reduction of environmental pollutants. <i>Carbohydrate Polymers</i> , <b>2020</b> , 242, 116286	10.3	23
203	Fe <sub>2</sub> O <sub>3</sub> -Co <sub>3</sub> O <sub>4</sub> nanocomposites based humidity and temperature sensors. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 237, 266-271	6	22
202	Room temperature preparation of lignocellulosic biomass supported heterostructure (Cu+Co@OPF) as highly efficient multifunctional nanocatalyst using wetness co-impregnation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 549, 184-195	5.1	22

201	Nonlinear optical properties of DPO and DMPO: a theoretical and computational study. <i>Theoretical Chemistry Accounts</i> , <b>2013</b> , 132, 1	1.9	21
200	Selective adsorption and determination of iron(III): Mn <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> composite nanosheets as marker of iron for environmental applications. <i>Applied Surface Science</i> , <b>2013</b> , 282, 46-51	6.7	21
199	A thermally and mechanically stable eco-friendly nanocomposite for chemical sensor applications. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2368	3.6	21
198	Investigation of Micellar and Phase Separation Phenomenon of the Amphiphilic Drug Amitriptyline Hydrochloride with Cationic Hydrotropes. <i>Journal of Solution Chemistry</i> , <b>2013</b> , 42, 390-411	1.8	21
197	Amino Acid-Fabricated Glassy Carbon Electrode for Efficient Simultaneous Sensing of Zinc(II), Cadmium(II), Copper(II), and Mercury(II) Ions. <i>ACS Omega</i> , <b>2019</b> , 4, 22057-22068	3.9	21
196	A highly efficient and multifunctional biomass supporting Ag, Ni, and Cu nanoparticles through wetness impregnation for environmental remediation. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 309-319	3.9	21
195	Chitosan coated NiAl layered double hydroxide microsphere templated zero-valent metal NPs for environmental remediation. <i>Journal of Cleaner Production</i> , <b>2021</b> , 285, 124830	10.3	21
194	Plant-supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4971	3.1	20
193	Phytosynthesis of silver nanoparticles; naked eye cellulose filter paper dual mechanism sensor for mercury ions and ammonia in aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 7367-7383	2.1	20
192	Smart methanol sensor based on silver oxide-doped zinc oxide nanoparticles deposited on microchips. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 553-563	5.8	20
191	Amphiphilic antidepressant drug amitriptyline hydrochloride under the influence of ionic and nonionic hydrotropes; micellization and phase separation. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2013</b> , 19, 1774-1780	6.3	20
190	Interaction of the Amphiphilic Drug Amitriptyline Hydrochloride with Gemini and Conventional Surfactants: A Physicochemical Approach. <i>Journal of Solution Chemistry</i> , <b>2013</b> , 42, 1532-1544	1.8	20
189	Polybenzimidazole hybrid membranes as a selective adsorbent of mercury. <i>Composites Part B: Engineering</i> , <b>2014</b> , 56, 392-396	10	20
188	Lignocellulosic biomass supported metal nanoparticles for the catalytic reduction of organic pollutants. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 823-836	5.1	20
187	Electrochemical sensor for H <sub>2</sub> O <sub>2</sub> using a glassy carbon electrode modified with a nanocomposite consisting of graphene oxide, cobalt(III) oxide, horseradish peroxidase and nafion. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 3043-3052	5.8	20
186	Prediction of the linear and nonlinear optical properties of tetrahydronaphthalone derivatives via long-range corrected hybrid functionals. <i>Molecular Physics</i> , <b>2014</b> , 112, 3165-3172	1.7	19
185	Aggregation and phase separation behavior of an amphiphilic drug promazine hydrochloride under the influence of inorganic salts and ureas. <i>Thermochimica Acta</i> , <b>2013</b> , 574, 26-37	2.9	19
184	Influence of Ionic Liquid Electrolytes on the Photovoltaic Performance of Dye-Sensitized Solar Cells. <i>Energy Technology</i> , <b>2017</b> , 5, 321-326	3.5	19

183	Encapsulation of organic UV ray absorbents into layered double hydroxide for photochemical properties. <i>Materials Letters</i> , <b>2011</b> , 65, 2923-2926	3.3	19
182	Leufolins A and B, potent butyrylcholinesterase-inhibiting flavonoid glucosides from <i>Leucas urticifolia</i> . <i>Molecules</i> , <b>2007</b> , 12, 1447-54	4.8	19
181	Silver Nanoparticles Embedded in Gelatin Biopolymer Hydrogel as Catalyst for Reductive Degradation of Pollutants. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 399-410	4.5	19
180	Potential application of <i>Allium Cepa</i> seeds as a novel biosorbent for efficient biosorption of heavy metals ions from aqueous solution. <i>Chemosphere</i> , <b>2021</b> , 279, 130545	8.4	19
179	Influence of redox electrolyte on the device performance of phenothiazine based dye sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9045-9050	3.6	18
178	Fuel cell based on novel hyper-branched polybenzimidazole membrane. <i>Macromolecular Research</i> , <b>2013</b> , 21, 35-41	1.9	18
177	Zirconia-based catalyst for the one-pot synthesis of coumarin through Pechmann reaction. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 345	5	18
176	Biosynthesized silver supported catalysts for disinfection of <i>Escherichia coli</i> and organic pollutant from drinking water. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 281, 295-306	6	18
175	A template of cellulose acetate polymer-ZnAl/C layered double hydroxide composite fabricated with Ni NPs: Applications in the hydrogenation of nitrophenols and dyes degradation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 241, 118671	4.4	17
174	Cerium oxide-cadmium oxide nanomaterial as efficient extractant for yttrium ions. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 252-259	6	17
173	AlBr metal oxides and AlCd layered double hydroxides for the removal of Acridine orange dye in visible light exposure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 15299-15312	2.1	17
172	Butyrylcholinesterase inhibitory guaianolides from <i>Amberboa ramosa</i> . <i>Archives of Pharmacal Research</i> , <b>2005</b> , 28, 172-6	6.1	17
171	Cellulose Acetate Based Nanocomposites for Biomedical Applications: A Review. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 3007-19	3.3	17
170	Assessment of graphene oxide/MgAl oxide nanocomposite as a non-enzymatic sensor for electrochemical quantification of hydrogen peroxide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 74, 255-262	5.3	16
169	Evaluation of cerium doped tin oxide nanoparticles as a sensitive sensor for selective detection and extraction of cobalt. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 70, 203-209	3	16
168	Water sorption and water-resistance properties of poly(vinyl alcohol)/clay nanocomposite films: Effects of chemical structure and morphology. <i>Polymer Composites</i> , <b>2015</b> , 36, 660-667	3	16
167	Amperometric sensor for ascorbic acid using a gold electrode modified with ZnO@SiO <sub>2</sub> nanospheres. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8438-8443	3.6	16
166	Applied poly(2-methoxy aniline) Sn(II)silicate carbon nanotubes composite: Synthesis, characterization, structure-property relationships and applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 2301-2309	6.3	16

165	Selective divalent cobalt ions detection using Ag <sub>2</sub> O <sub>3</sub> -ZnO nanocones by ICP-OES method for environmental remediation. <i>PLoS ONE</i> , <b>2014</b> , 9, e114084	3.7	16
164	Effect of nano-filler dispersion on the thermal, mechanical and water sorption properties of green environmental polymer. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 735-743	3.5	16
163	Electronic Structure, Nonlinear Optical Properties, and Vibrational Analysis of Gemifloxacin by Density Functional Theory. <i>Spectroscopy</i> , <b>2012</b> , 27, 185-206		16
162	A new trend on biosensor for neurotransmitter choline/acetylcholine--an overview. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 169, 1927-39	3.2	16
161	Aluminium phthalocyanine chloride thin films for temperature sensing. <i>Chinese Physics B</i> , <b>2013</b> , 22, 118101	10.1	16
160	Input Selection of Wavelet-Coupled Neural Network Models for Rainfall-Runoff Modelling. <i>Water Resources Management</i> , <b>2019</b> , 33, 955-973	3.7	16
159	Phenotypic and Genotypic Resistance of Salmonella Isolates from Healthy and Diseased Pigs in China During 2008-2015. <i>Microbial Drug Resistance</i> , <b>2017</b> , 23, 651-659	2.9	15
158	Polymer supported metallic nanoparticles as a solid catalyst for the removal of organic pollutants. <i>Cellulose</i> , <b>2020</b> , 27, 5907-5921	5.5	15
157	Ag <sub>3</sub> Ni and Al <sub>3</sub> Ni nanoparticles for resistive response of humidity and photocatalytic degradation of Methyl Orange dye. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 244, 122748	4.4	15
156	Controlled release of organic-inorganic nanohybrid: cefadroxil intercalated Zn-Al-layered double hydroxide. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 3203-3222	7.3	15
155	Impedimetric humidity sensor based on the use of SnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> spheres. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 4260-4266	2.1	15
154	Carboxymethyl cellulose nanocomposite beads as super-efficient catalyst for the reduction of organic and inorganic pollutants. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 101-116	7.9	15
153	Catalytic Application of Silver Nanoparticles in Chitosan Hydrogel Prepared by a Facile Method. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 962-972	4.5	14
152	Tripeptide Derivative-Modified Glassy Carbon Electrode: A Novel Electrochemical Sensor for Sensitive and Selective Detection of Cd Ions. <i>ACS Omega</i> , <b>2020</b> , 5, 10123-10132	3.9	14
151	Synthesis and characterization of novel PPC-silica hybrid with improved thermal, mechanical, and water sorption properties. <i>Macromolecular Research</i> , <b>2011</b> , 19, 876-882	1.9	14
150	Preparation of cationic latent initiators containing imidazole group and their effects on the properties of DGEBA epoxy resin. <i>Macromolecular Research</i> , <b>2011</b> , 19, 989-997	1.9	14
149	Structural determination of diterpenes from <i>Daphne genkwa</i> by NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2006</b> , 44, 1063-6	2.1	14
148	Phenolic constituents from <i>Perovskia atriplicifolia</i> . <i>Natural Product Research</i> , <b>2006</b> , 20, 347-53	2.3	14

147	Fourier Transform Infrared Spectroscopy: Fundamentals and Application in Functional Groups and Nanomaterials Characterization <b>2018</b> , 317-344		14
146	Cobalt oxide nanocomposites and their electrocatalytic behavior for oxygen evolution reaction. <i>Ceramics International</i> , <b>2019</b> , 45, 13340-13346	5.1	13
145	Development of electrochemical sensor based on layered double hydroxide as a marker of environmental toxin. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 30, 234-238	6.3	13
144	Nanohybrid based on antibiotic encapsulated layered double hydroxide as a drug delivery system. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 175, 1412-28	3.2	13
143	Metal oxides nanomaterials for the photocatalytic mineralization of toxic water wastes under solar light illumination. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 34, 101138	6.7	13
142	Neodymium cobalt oxide as a chemical sensor. <i>Results in Physics</i> , <b>2018</b> , 8, 578-583	3.7	13
141	Ta3N5 nanowire bundles as visible-light-responsive photoanodes. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2354-7	4.5	13
140	Isolation of onosmins A and B, lipoxygenase inhibitors from <i>Onosma hispida</i> . <i>Chemical and Pharmaceutical Bulletin</i> , <b>2005</b> , 53, 907-10	1.9	13
139	Temperature gradient measurements by using thermoelectric effect in CNTs-silicone adhesive composite. <i>PLoS ONE</i> , <b>2014</b> , 9, e95287	3.7	13
138	Metal nanoparticles supported on polyacrylamide water beads as catalyst for efficient generation of H <sub>2</sub> from NaBH <sub>4</sub> methanolysis. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1532-1540	6.7	13
137	Synthesis, Spectroscopic Characterization and pH Dependent Electrochemical Fate of Two Non-Ionic Surfactants. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H885-H890	3.9	12
136	Mechanistic investigation of the oxidation of Cefuroxime by hexacyanoferrate(III) in alkaline conditions. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2013</b> , 19, 595-600	6.3	12
135	Effect of short time ball milling on physicochemical and adsorption performance of activated carbon prepared from mangosteen peel waste. <i>Renewable Energy</i> , <b>2021</b> , 168, 723-733	8.1	12
134	Green material: ecological importance of imperative and sensitive chemi-sensor based on Ag/Ag <sub>2</sub> O <sub>3</sub> /ZnO composite nanorods. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 380	5	11
133	Cadmium oxide based efficient electrocatalyst for hydrogen peroxide sensing and water oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 1092-1100	2.1	11
132	Detection and monitoring of toxic chemical at ultra trace level by utilizing doped nanomaterial. <i>PLoS ONE</i> , <b>2014</b> , 9, e109423	3.7	11
131	Xanthine oxidase inhibiting flavonol glycoside from <i>Amberboa ramosa</i> . <i>Natural Product Research</i> , <b>2006</b> , 20, 335-9	2.3	11
130	Withanolides: Biologically Active Constituents in the Treatment of Alzheimer's Disease. <i>Medicinal Chemistry</i> , <b>2016</b> , 12, 238-56	1.8	11

129	Poly(propylene carbonate)/exfoliated graphite nanocomposites: Selective adsorbent for the extraction and detection of gold(III). <i>Bulletin of Materials Science</i> , <b>2015</b> , 38, 327-333	1.7	10
128	Cellulose-lanthanum hydroxide nanocomposite as a selective marker for detection of toxic copper. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 466	5	10
127	A polymeric chlorine dioxide self-releasing sheet to prolong postharvest life of cherry tomatoes. <i>Postharvest Biology and Technology</i> , <b>2020</b> , 161, 111040	6.2	10
126	Electrical conductivity and ion-exchange kinetic studies of polythiophene Sn(VI)phosphate nano composite cation-exchanger. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 1652-1659	5.9	10
125	Preparation of sludge biochar rich in carboxyl/hydroxyl groups by quenching process and its excellent adsorption performance for Cr(VI). <i>Chemosphere</i> , <b>2021</b> , 285, 131439	8.4	10
124	Selective extraction and determination of toxic lead based on doped metal oxide nanofiber. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 51, 34-43	5.3	9
123	Spectroscopic Analysis of Au-Cu Alloy Nanoparticles of Various Compositions Synthesized by a Chemical Reduction Method. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-8	1.5	9
122	Biomass impregnated zero-valent Ag and Cu supported-catalyst: Evaluation in the reduction of nitrophenol and discoloration of dyes in aqueous medium. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 938, 121756	2.3	9
121	Iron doped nanocomposites based efficient catalyst for hydrogen production and reduction of organic pollutant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 608, 125502	5.1	9
120	A multimodal impedimetric sensor for humidity and mechanical pressure using a nanosized SnO-MnO mixed oxide. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 24	5.8	9
119	Photo-thermoelectric cells based on pristine $\alpha$ -Al <sub>2</sub> O <sub>3</sub> co-doped CdO, CNTs and their single and bi-layer composites with silicone adhesive. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 52, 93-99	5.3	8
118	Lactoperoxidase immobilization on silver nanoparticles enhances its antimicrobial activity. <i>Journal of Dairy Research</i> , <b>2018</b> , 85, 460-464	1.6	8
117	Detailed Electrochemistry of the Environmental Toxin Ethylene Diamine. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H370-H374	3.9	8
116	Greater cardiomyocyte density on aligned compared with random carbon nanofibers in polymer composites. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 5533-9	7.3	8
115	Tyrosinase inhibitory effect of benzoic acid derivatives and their structure-activity relationships. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2010</b> , 25, 812-7	5.6	8
114	Selective detection of gold(III) ions based on codoped MnO <sub>2</sub> /SnO <sub>2</sub> nanocubes prepared by solution method. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 287-294	5.1	7
113	Hydrothermally Preparation and Characterization of Un-doped Manganese Oxide Nanostructures: Efficient Photocatalysis and Chemical Sensing Applications. <i>Micro and Nanosystems</i> , <b>2013</b> , 5, 22-28	0.6	7
112	Preparation and properties of poly(urethane acrylate) films for ultraviolet-curable coatings. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	7

111	Structure determination of ramosine, a guaianolide, by NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2004</b> , 42, 1063-5	2.1	7
110	Fabrication of Ethanol Chemical Sensors Based on As-Prepared Gd <sub>2</sub> O <sub>3</sub> Nanorods by Facile Hydrothermal Routes. <i>Journal of Colloid Science and Biotechnology</i> , <b>2013</b> , 2, 322-327		7
109	Isolation, spectroscopic and density functional theory of two withanolide glycosides. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1177, 449-456	3.4	7
108	Cellulose acetate-iron oxide nanocomposites for trace detection of fluorene from water samples by solid-phase extraction technique. <i>Separation Science and Technology</i> , <b>2018</b> , 53, 887-895	2.5	7
107	Antibacterial CuO-PES-CA nanocomposite membranes supported CuO nanoparticles for water permeability and reduction of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10835-10847	2.1	6
106	Organ-specific antioxidant defenses and FT-IR spectroscopy of muscles in Crucian carp ( <i>Carassius auratus gibelio</i> ) exposed to environmental Pb <sup>2+</sup> . <i>Turkish Journal of Biology</i> , <b>2015</b> , 39, 427-437	3.1	6
105	Design of simple and efficient metal nanoparticles templated on ZnO-chitosan coated textile cotton towards the catalytic reduction of organic pollutants. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372093148	1.6	6
104	Prevalence, quantification and isolation of pathogenic shiga toxin Escherichia coli O157:H7 along the production and supply chain of pork around Hubei Province of China. <i>Microbial Pathogenesis</i> , <b>2018</b> , 115, 93-99	3.8	6
103	A new trypsin inhibitory phthalic acid ester from <i>Heliotropium strigosum</i> . <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 2712-2714	2.2	6
102	Selective detection of divalent nickel ions based on wet-chemically prepared Cs-doped ZnO nanosheets. <i>Superlattices and Microstructures</i> , <b>2014</b> , 71, 93-104	2.8	6
101	Synthesis, Characterization, and Thermal and Proton Conductivity Evaluation of 2,5-Polybenzimidazole Composite Membranes. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-7	3.2	6
100	Isolation and Structure Determination of Three New Sesquiterpenoids from <i>Achillea millefolium</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2012</b> , 67, 421-425	1	6
99	Synthesis of silver and aluminum doped magnetic nanoparticles: New fascinating materials with multipurpose applications. <i>Chemical Physics Letters</i> , <b>2020</b> , 742, 137167	2.5	6
98	Zn/Fe nanocomposite based efficient electrochemical sensor for the simultaneous detection of metal ions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 130, 114671	3	6
97	Culturomics-Based Taxonomic Diversity of Bacterial Communities in the Hot Springs of Saudi Arabia. <i>OMICS A Journal of Integrative Biology</i> , <b>2019</b> , 23, 17-27	3.8	6
96	Phylogenetic grouping and distribution of virulence genes in Escherichia coli along the production and supply chain of pork around Hubei, China. <i>Journal of Microbiology, Immunology and Infection</i> , <b>2017</b> , 50, 382-385	8.5	5
95	Complexation behavior of mixed monolayer/mixed micelle formation between cationic noble surfactant-nonionic conventional surfactant in the presence of biocompatible polymer. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 199, 495-500	6	5
94	Micellization of Amphiphilic Drug with Pharmaceutical Excipients in Aqueous Electrolytic Solution: Composition, Interaction, and Stability of the Aggregates. <i>Journal of Dispersion Science and Technology</i> , <b>2014</b> , 35, 1588-1598	1.5	5



93	Bioassay-guided isolation of novel and selective urease inhibitors from <i>Diospyros lotus</i> . <i>Chinese Journal of Natural Medicines</i> , <b>2017</b> , 15, 865-870	2.8	5
92	Understanding greater cardiomyocyte functions on aligned compared to random carbon nanofibers in PLGA. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 89-96	7.3	5
91	Synthesis and Pressure Sensing Properties of Pristine Zinc Oxide Nanopowder and its Blend with Carbon Nanotubes. <i>Current Nanoscience</i> , <b>2016</b> , 12, 586-591	1.4	5
90	Synthesis of zero-valent Au nanoparticles on chitosan coated NiAl layered double hydroxide microspheres for the discoloration of dyes in aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 250, 119370	4.4	5
89	Selective extraction and detection of noble metal based on ionic liquid immobilized silica gel surface using ICP-OES. <i>Bulletin of Materials Science</i> , <b>2016</b> , 39, 1011-1019	1.7	5
88	A Simple but Efficient Catalytic Approach for the Degradation of Pollutants in Aqueous Media through Cicer arietinum Supported Ni Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2020</b> , 234, 1789-1802 <sup>5</sup>	3.1	5
87	Selective separation of tungsten from the model and industrial effluents through supported liquid membrane. <i>Chemical Papers</i> , <b>2021</b> , 75, 553-563	1.9	5
86	Development of alginate@tin oxide-cobalt oxide nanocomposite based catalyst for the treatment of wastewater. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 187, 386-398	7.9	5
85	Synthesis, Characterization, and Multifunctional Applications of Cu-Fe and Ni-Fe Nanomaterials. <i>ACS Omega</i> , <b>2020</b> , 5, 15992-16002	3.9	4
84	Mechanistic Investigation of Osmium(VIII) Catalyzed Oxidation of Glutamic Acid With Sodium Salt of N-Chloro 4-Methylbenzenesulfonamide in Aqueous Media: A Practical Approach. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2016</b> , 46, 10-18		4
83	Benzamide sulfonamide derivatives: potent inhibitors of carbonic anhydrase-II. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 438-448	2.2	4
82	Removal of hexavalent chromium from aqueous solutions using NiBiO( <sub>2</sub> ) nanomaterials. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	4
81	Aerosol clustering in an urban environment of Beijing during (2005-2017). <i>Atmospheric Environment</i> , <b>2019</b> , 213, 534-547	5.3	4
80	Analysis of Mixed Micellar Behavior of Promazine Hydrochloride with Surfactants in Aqueous Medium at Different Temperatures and Compositions. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2013</b> , 130422000214009	2.1	4
79	Large-scale Synthesis of Low-dimension Un-doped Iron Oxide Nanoparticles by a Wet-Chemical Method: Efficient Photo-catalyst & Sensitive Chemi-sensor Applications. <i>Micro and Nanosystems</i> , <b>2013</b> , 5, 3-13	0.6	4
78	Synthesis and Characterization of Blended Cellulose Acetate Membranes.. <i>Polymers</i> , <b>2021</b> , 14,	4.5	4
77	Synthesis of biomass-supported CuNi zero-valent nanoparticles through wetness co-impregnation method for the removal of carcinogenic dyes and nitroarene. <i>Green Processing and Synthesis</i> , <b>2020</b> , 9, 237-247	3.9	4
76	Fabrication of Highly Sensitive Chemi-Sensor and Efficient Photocatalyst Based On ZnO Nanostructured Material. <i>Micro and Nanosystems</i> , <b>2013</b> , 5, 38-46	0.6	4

75	Melia Azedarach impregnated Co and Ni zero-valent metal nanoparticles for organic pollutants degradation: validation of experiments through statistical analysis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 16938-16950	2.1	4
74	Eggshell membranes coated chitosan decorated with metal nanoparticles for the catalytic reduction of organic contaminates. <i>Carbohydrate Polymers</i> , <b>2021</b> , 259, 117681	10.3	4
73	LDPE composite films incorporating ceramic powder emitting far-infrared radiation for advanced food-packaging applications. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	4
72	Copper oxide doped composite nanospheres decorated graphite pencil toward efficient hydrogen evolution electrocatalysis. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116084	6	4
71	Development of PU-TZnO solid-phase extractor for selective detection of mercury in complex matrices. <i>Polymer Composites</i> , <b>2017</b> , 38, 2106-2112	3	3
70	Association between bacterial strain type and host biomarkers in <i>Clostridium perfringens</i> infected goats. <i>Microbial Pathogenesis</i> , <b>2017</b> , 112, 254-258	3.8	3
69	Isolation, characterization and DFT studies of epoxy ring containing new withanolides from <i>Withania coagulans</i> Dunal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 217, 113-121	4.4	3
68	Effect of anionic surfactant sodium dodecyl sulfate on the reaction of hexacyanoferrate(III) oxidation of levothyroxine in aqueous medium: a kinetic and mechanistic approach. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 2379-2389	2.8	3
67	Study of the base-catalysed oxidation of the anti-bacterial and anti-protozoal agent metronidazole by permanganate ion in alkaline medium. <i>Research on Chemical Intermediates</i> , <b>2014</b> , 40, 1703-1714	2.8	3
66	Studies on Photocatalytic Degradation of Acridine Orange and Chloroform Sensing Using As-Grown Antimony oxide Microstructures. <i>Materials Sciences and Applications</i> , <b>2011</b> , 02, 676-683	0.3	3
65	Photocatalytic Degradation of Textile Dye on Blended Cellulose Acetate Membranes.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	3
64	Revisiting the Impact of Morphology and Oxidation State of Cu on CO Reduction Using Electrochemical Flow Cell.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 345-351	6.4	3
63	Fabrication of WO <sub>3</sub> based nanocomposites for the excellent photocatalytic energy production under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	3
62	Synthesis and catalytic evaluation of silver@nickel oxide and alginate biopolymer nanocomposite hydrogel beads. <i>Cellulose</i> , <b>2021</b> , 28, 11299	5.5	3
61	Reduction of nitrophenol isomers and degradation of azo dyes through zero-valent Ni nanoparticles anchored on cellulose acetate coated Ce/Zr composite. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 44, 102383	6.7	3
60	Polypeptide and copper oxide nanocomposite hydrogel for toxicity elimination of wastewater. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 96, 382-394	2.3	3
59	LaBn oxide nanocatalyst: Efficient materials for the synthesis of cyclohexanones. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 224, 359-365	6	3
58	Sodium alginate nanocomposite based efficient system for the removal of organic and inorganic pollutants from wastewater. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 243-254	7.9	3

57	Synthesis of metal oxide composite nanosheets and their pressure sensing properties. <i>Journal of Semiconductors</i> , <b>2015</b> , 36, 023002	2.3	2
56	Detection of trivalent-iron based on low-dimensional semiconductor metal oxide nanostructures for environmental remediation by ICP-OES technique. <i>Ceramics International</i> , <b>2014</b> , 40, 8445-8453	5.1	2
55	Sensitive chemi-sensor for environmental applications as marker of chloroform in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 106, 231-5	4.4	2
54	A photoinitiator-free photosensitive polyimide with low dielectric constant. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, n/a-n/a	2.9	2
53	Copper Oxide-Antimony Oxide Entrapped Alginate Hydrogel as Efficient Catalyst for Selective Reduction of 2-Nitrophenol.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	2
52	Phenolic water toxins: redox mechanism and method of their detection in water and wastewater.. <i>RSC Advances</i> , <b>2021</b> , 11, 35783-35795	3.7	2
51	Metal nanoparticles supported chitosan coated carboxymethyl cellulose beads as a catalyst for the selective removal of 4-nitrophenol. <i>Chemosphere</i> , <b>2021</b> , 291, 133010	8.4	2
50	Humidity Sensing Properties of Zinc Oxide-indigo Dye Nanocomposite. <i>Current Nanoscience</i> , <b>2016</b> , 12, 564-568	1.4	2
49	Hypertensive Retinopathy: A Prognostic Factor for Morbidity and Mortality after Acute ST Elevation Myocardial Infarction. <i>Journal of the College of Physicians and Surgeons--Pakistan: JCPSP</i> , <b>2019</b> , 29, 205-209	0.7	2
48	Effect of Novel Surfactant on the Growth Kinetics of Cobalt Nanoparticles. <i>Tenside, Surfactants, Detergents</i> , <b>2017</b> , 54, 448-452	1	2
47	Aminolyses of Y-substituted Phenyl 2-Furoates and Cinnamates: Effect of Nonleaving Group Substituent on Reactivity and Mechanism. <i>Bulletin of the Korean Chemical Society</i> , <b>2007</b> , 28, 1353-1357	1.2	2
46	Super adsorption performance of carboxymethyl cellulose/copper oxide-nickel oxide nanocomposite toward the removal of organic and inorganic pollutants. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 38476-38496	5.1	2
45	A new antibacterial dibenzofuran-type phloroglucinol from linn. <i>Natural Product Research</i> , <b>2020</b> , 34, 3199-3204	3.2	2
44	Photovoltaic Performance of Porphyrin-Based Dye-Sensitized Solar Cells with Binary Ionic Liquid Electrolytes. <i>Energy Technology</i> , <b>2020</b> , 8, 2000092	3.5	2
43	Photo-degradation, Thermodynamic and Kinetic study of Carcinogenic Dyes via Zinc Oxide/Graphene oxide Nanocomposites. <i>Journal of Materials Research and Technology</i> , <b>2021</b> ,	5.5	2
42	Design of efficient solar photocatalytic system for hydrogen production and degradation of environmental pollutant. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2497-2512	5.5	2
41	Cation optimization for burn-in loss-free perovskite solar devices. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 5374-5380	13	2
40	Association Of Hypertensive Retinopathy With Angiographic Severity Of Coronary Artery Disease Determined By Syntax Score. <i>Journal of Ayub Medical College, Abbottabad: JAMC</i> , <b>2019</b> , 31, 189-191	0.3	2

39	A new biosource for synthesis of activated carbon and its potential use for removal of methylene blue and eriochrome black T from aqueous solutions. <i>Industrial Crops and Products</i> , <b>2022</b> , 179, 114676	5.9	2
38	Enhanced catalytic reduction/degradation of organic pollutants and antimicrobial activity with metallic nanoparticles immobilized on copolymer modified with NaY zeolite films. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 359, 119246	6	2
37	Adsorption efficiency of date palm based activated carbon-alginate membrane for methylene blue.. <i>Chemosphere</i> , <b>2022</b> , 302, 134793	8.4	2
36	A designed miniature sensor for the trace level detection and degradation studies of the toxic dye Rhodamine B. <i>RSC Advances</i> , <b>2022</b> , 12, 15658-15669	3.7	2
35	Kinetic Behavior of Cobalt Nanoparticles Facilitated by Cationic Surfactant. <i>Chemical Engineering Communications</i> , <b>2016</b> , 203, 446-451	2.2	1
34	Draft genome sequence of a multidrug-resistant emerging pathogenic isolate of from the Red Sea. <i>New Microbes and New Infections</i> , <b>2020</b> , 38, 100804	4.1	1
33	Applications of Nanocomposites in Humidity Sensors and Solar Cells. <i>Current Nanoscience</i> , <b>2020</b> , 16, 504-506	5.06	1
32	MerTK negatively regulates Staphylococcus aureus induced inflammatory response via Toll-like receptor signaling in the mammary gland. <i>Molecular Immunology</i> , <b>2020</b> , 122, 1-12	4.3	1
31	Assessment of cellulose acetate/manganese oxide thin film as adsorbent for selective extraction of flavone. <i>Bulletin of Materials Science</i> , <b>2018</b> , 41, 1	1.7	1
30	Development of Polymer Based Nanocomposites as a Marker of Cadmium in Complex Matrices. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	1
29	Assessing the potential biological activities of TiO and Cu, Ni and Cr doped TiO nanoparticles.. <i>RSC Advances</i> , <b>2022</b> , 12, 3856-3861	3.7	1
28	Solid-state synthesis of CdFeO binary catalyst for potential application in renewable hydrogen fuel generation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1632	4.9	1
27	Sunlight assisted photocatalytic dye degradation using zinc and iron based mixed metal-oxides nanopowders. <i>Journal of King Saud University - Science</i> , <b>2022</b> , 34, 101841	3.6	1
26	Catalytic performance of the biosynthesized AgNps from <i>Bistorta amplexicaule</i> : antifungal, bactericidal, and reduction of carcinogenic 4-nitrophenol. <i>Green Processing and Synthesis</i> , <b>2020</b> , 9, 259-267	2.79	1
25	Alginate/Banana Waste Beads Supported Metal Nanoparticles for Efficient Water Remediation. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
24	Hydrogel: A Promising Material in Pharmaceuticals. <i>Current Pharmaceutical Design</i> , <b>2020</b> , 26, 5892-5908	3.3	1
23	Nanostructured Materials and their Potential as Electrochemical Sensors. <i>Current Nanoscience</i> , <b>2020</b> , 16, 534-543	1.4	1
22	Electrical conductance, dielectric properties and photodegradation ability of aluminum based Heterogeneous nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 254, 123546	4.4	1

21	RECENT AND FUTURE PROSPECTIVE OF VARIOUS PHOTO-CATALYSTS FOR ENVIRONMENTAL POLLUTION AND ENERGY PRODUCTION: A REVIEW. <i>Surface Review and Letters</i> , <b>2021</b> , 28, 2130002	1.1	1
20	Bimetallic cobalt-iron diselenide nanorod modified glassy carbon electrode: an electrochemical sensing platform for the selective detection of isoniazid.. <i>RSC Advances</i> , <b>2021</b> , 11, 12649-12657	3.7	1
19	Effect of porous zeolite on temperature-dependent physical properties of polypropylene/octadecane (PP/OD) composite films. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 658-674	3.4	1
18	Modification of cellulose filter paper with bimetal nanoparticles for catalytic reduction of nitroaromatics in water. <i>Cellulose</i> , <b>2021</b> , 28, 11067	5.5	1
17	Structural, optical and photocatalytic properties of silver-doped magnesia: computational and experimental study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 339, 117176	6	1
16	Highly efficient and recoverable Ag-Cu bimetallic catalyst supported on taro-rhizome powder applied for nitroarenes and dyes reduction. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 18, 769-787	5.5	1
15	Molecular Engineering of Thienyl Functionalized Ullazines as Hole-Transporting Materials for Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2022</b> , 6, 2100926	7.1	1
14	NiAl-layered double-hydroxide photocatalyst for the visible light-assisted photodegradation of organic dye pollutants. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	0
13	Alginate biopolymer as a reactor container for copper oxide-tin oxide: Efficient nanocatalyst for reduction of different pollutants. <i>Chemosphere</i> , <b>2021</b> , 132811	8.4	0
12	Constructing two-dimensional heterojunction through decorating covalent organic framework with MoS2 for enhanced photoelectrochemical water oxidation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106900	6.8	0
11	Photocatalytic degradation of the antibiotic ciprofloxacin in the aqueous solution using Mn/Co oxide photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 4255	2.1	0
10	Metallic nanoparticles decorated chitosan hydrogel wrapped pencil graphite: Effective catalyst for reduction of water pollutants and hydrogen production. <i>Surfaces and Interfaces</i> , <b>2022</b> , 102004	4.1	0
9	Electrochemical Sensing Platform for the Detection and Degradation Studies of Metanil Yellow. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 056503	3.9	0
8	Spasmolytic and Ca++ Channel Blocking Potential of Nepetolide: Isolated from Nepeta Suavis. <i>Natural Product Communications</i> , <b>2016</b> , 11, 1934578X1601100	0.9	
7	Advanced Aqueous Ammonia Monitoring by Perceptive Chemi-Sensor for Environmental Safety. <i>Micro and Nanosystems</i> , <b>2013</b> , 5, 29-34	0.6	
6	Antimicrobial Activities of Metal Containing Compounds and Hybrids. <i>Current Pharmaceutical Design</i> , <b>2020</b> , 26, 5881-5891	3.3	
5	2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethyl 2-nitro-benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o548		
4	Prevalence of diabetes mellitus among obese and non-obese patients with coronary artery disease. <i>Journal of Ayub Medical College, Abbottabad: JAMC</i> , <b>2010</b> , 22, 64-7	0.3	

- 3 Green synthesis of manganese-doped superparamagnetic iron oxide nanoparticles for the effective removal of Pb(ii) from aqueous solutions. *Green Processing and Synthesis*, **2022**, 11, 287-305 3.9
- 2 Efficient fabrication, antibacterial and catalytic performance of Ag-NiO loaded bacterial cellulose paper.. *International Journal of Biological Macromolecules*, **2022**, 206, 917-926 7.9
- 1 Development and evaluation of polyclonal antibodies based antigen capture ELISA for detection of porcine rotavirus.. *Animal Biotechnology*, **2022**, 1-8 1.4