

Aftab Aslam Parwaz Khan

List of Publications by Year in descending order

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189
papers

5,584
citations

101543

36
h-index

106344

65
g-index

209
all docs

209
docs citations

209
times ranked

4072
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of techniques for natural fibers as reinforcement in composites: Preparation, processing and characterization. <i>Carbohydrate Polymers</i> , 2019, 207, 108-121.	10.2	584
2	Characterization of raw and alkali treated new natural cellulosic fibers from <i>Tridax procumbens</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 125, 99-108.	7.5	299
3	Advanced activation of persulfate by polymeric g-C ₃ N ₄ based photocatalysts for environmental remediation: A review. <i>Journal of Hazardous Materials</i> , 2021, 413, 125324.	12.4	293
4	Engineering nanostructures of CuO-based photocatalysts for water treatment: Current progress and future challenges. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8424-8457.	4.9	177
5	An overview on WO ₃ based photocatalyst for environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105018.	6.7	138
6	Covalent organic frameworks promoted single metal atom catalysis: Strategies and applications. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214298.	18.8	132
7	Removal of Congo red, methylene blue and Cr(VI) ions from water using natural serpentine. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 102-116.	5.3	122
8	Surface defect engineering of metal oxides photocatalyst for energy application and water treatment. <i>Journal of Materiomics</i> , 2021, 7, 388-418.	5.7	117
9	Exploring Rapid Photocatalytic Degradation of Organic Pollutants with Porous CuO Nanosheets: Synthesis, Dye Removal, and Kinetic Studies at Room Temperature. <i>ACS Omega</i> , 2021, 6, 2601-2612.	3.5	117
10	Tunable photocatalytic activity of SrTiO ₃ for water splitting: Strategies and future scenario. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103791.	6.7	105
11	Novel Z-Scheme ZnIn ₂ S ₄ -based photocatalysts for solar-driven environmental and energy applications: Progress and perspectives. <i>Journal of Materials Science and Technology</i> , 2021, 87, 234-257.	10.7	104
12	Fabrication of Ag/AgI/WO ₃ heterojunction anchored P and S co-doped graphitic carbon nitride as a dual Z scheme photocatalyst for efficient dye degradation. <i>Solid State Sciences</i> , 2020, 100, 106095.	3.2	87
13	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> , 2013, 45, 1486-1492.	12.0	81
14	Recent progress on bismuth-based Z-scheme semiconductor photocatalysts for energy and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104505.	6.7	75
15	An overview on polymeric carbon nitride assisted photocatalytic CO ₂ reduction: Strategically manoeuvring solar to fuel conversion efficiency. <i>Chemical Engineering Science</i> , 2021, 230, 116219.	3.8	72
16	Acetone sensor based on solvothermally prepared ZnO doped with Co ₃ O ₄ nanorods. <i>Mikrochimica Acta</i> , 2013, 180, 675-685.	5.0	71
17	Impact of alkali treatment on physico-chemical, thermal, structural and tensile properties of <i>Carica papaya</i> bark fibers. <i>International Journal of Polymer Analysis and Characterization</i> , 2018, 23, 529-536.	1.9	68
18	Lead sensors development and antimicrobial activities based on graphene oxide/carbon nanotube/poly(O-toluidine) nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 198-205.	7.5	67

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19	Synergistic photocatalytic mitigation of imidacloprid pesticide and antibacterial activity using carbon nanotube decorated phosphorus doped graphitic carbon nitride photocatalyst. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 142-154.	5.3	65
20	Enhanced photoelectrochemical water splitting activity of carbon nanotubes@TiO ₂ nanoribbons in different electrolytes. Chemosphere, 2020, 238, 124554.	8.2	64
21	Recent progress in emerging BiPO ₄ -based photocatalysts: Synthesis, properties, modification strategies, and photocatalytic applications. Journal of Materials Science and Technology, 2022, 108, 208-225.	10.7	63
22	Preparation and characterization of PANI@G/CWO nanocomposite for enhanced 2-nitrophenol sensing. Applied Surface Science, 2018, 433, 696-704.	6.1	59
23	Upgraded modified forms of bituminous coal for the removal of safranin-T dye from aqueous solution. Environmental Science and Pollution Research, 2017, 24, 18135-18151.	5.3	57
24	Progress on the photocatalytic reduction of hexavalent Cr (VI) using engineered graphitic carbon nitride. Chemical Engineering Research and Design, 2021, 152, 663-678.	5.6	57
25	CO ₂ photoreduction into solar fuels via vacancy engineered bismuth-based photocatalysts: Selectivity and mechanistic insights. Chemical Engineering Journal, 2022, 439, 135563.	12.7	56
26	Antibacterial Silver Nanomaterial Synthesis From Mesoflavibacter zeaxanthinifaciens and Targeting Biofilm Formation. Frontiers in Pharmacology, 2019, 10, 801.	3.5	50
27	Aggregation behaviour of amphiphilic drug and bile salt mixtures at different compositions and temperatures. Journal of Chemical Thermodynamics, 2013, 64, 28-39.	2.0	49
28	Performance improvement strategies of CuWO ₄ photocatalyst for hydrogen generation and pollutant degradation. Journal of Environmental Chemical Engineering, 2020, 8, 104230.	6.7	48
29	Construction of carbon nanotube mediated Fe doped graphitic carbon nitride and Ag ₃ VO ₄ based Z-scheme heterojunction for H ₂ O ₂ assisted 2,4 dimethyl phenol photodegradation. Separation and Purification Technology, 2020, 247, 116957.	7.9	48
30	Sensor development of 1,2 Dichlorobenzene based on polypyrrole/Cu-doped ZnO (PPY/CZO) nanocomposite embedded silver electrode and their antimicrobial studies. International Journal of Biological Macromolecules, 2017, 98, 256-267.	7.5	47
31	Converting Ag ₃ PO ₄ /CdS/Fe doped C ₃ N ₄ based dual Z-scheme photocatalyst into photo-Fenton system for efficient photocatalytic phenol removal. Journal of Industrial and Engineering Chemistry, 2021, 98, 148-160.	5.8	47
32	High performance polyaniline/vanadyl phosphate (PANI@VOPO ₄) nano composite sheets prepared by exfoliation/intercalation method for sensing applications. European Polymer Journal, 2016, 75, 388-398.	5.4	43
33	An overview of converting reductive photocatalyst into all solid-state and direct Z-scheme system for water splitting and CO ₂ reduction. Journal of Industrial and Engineering Chemistry, 2021, 93, 1-27.	5.8	43
34	Current status on designing of dual Z-scheme photocatalysts for energy and environmental applications. Journal of Industrial and Engineering Chemistry, 2022, 106, 340-355.	5.8	39
35	Dual nature, self oxidized poly(o-anisidine) functionalized multiwall carbon nanotubes composite: Preparation, thermal and electrical studies. Composites Part B: Engineering, 2014, 58, 451-456.	12.0	38
36	An overview of strategies for enhancement in photocatalytic oxidative ability of MoS ₂ for water purification. Journal of Environmental Chemical Engineering, 2020, 8, 104307.	6.7	38

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37	Preparation of polyaniline grafted graphene oxide ³ nanocomposite and its application as a chromium(ⁱⁱⁱ) chemi-sensor. RSC Advances, 2015, 5, 105169-105178.	3.6	37
38	Conventional surfactant-doped poly (o-anisidine)/GO nanocomposites for benzaldehyde chemical sensor development. Journal of Sol-Gel Science and Technology, 2016, 77, 361-370.	2.4	37
39	Complexation and Mechanism of Fluorescence Quenching of Telmisartan with Y(III) and Nd(III). Journal of Chemical & Engineering Data, 2010, 55, 5759-5765.	1.9	36
40	Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. Journal of Industrial and Engineering Chemistry, 2014, 20, 1071-1078.	5.8	36
41	Preparation and properties of novel sol-gel-derived quaternized poly(n-methyl pyrrole)/Sn(II)SiO ₃ /CNT composites. Journal of Solid State Electrochemistry, 2015, 19, 1479-1489.	2.5	36
42	Phenolic compounds degradation: Insight into the role and evidence of oxygen vacancy defects engineering on nanomaterials. Science of the Total Environment, 2021, 800, 149410.	8.0	36
43	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation. Chemosphere, 2022, 297, 134229.	8.2	35
44	Facile synthesis of doped ZnO-CdO nanoblocks as solid-phase adsorbent and efficient solar photo-catalyst applications. Journal of Industrial and Engineering Chemistry, 2014, 20, 2278-2286.	5.8	34
45	Emerging architecture titanium carbide (Ti ₃ C ₂ T _x) MXene based photocatalyst toward degradation of hazardous pollutants: Recent progress and perspectives. Chemosphere, 2022, 293, 133541.	8.2	34
46	Review on nitride compounds and its polymer composites: a multifunctional material. Journal of Materials Research and Technology, 2022, 18, 2175-2193.	5.8	34
47	Green synthesis of thermally stable Ag-rGO-CNT nano composite with high sensing activity. Composites Part B: Engineering, 2016, 86, 27-35.	12.0	33
48	Exploring recent advances in silver halides and graphitic carbon nitride-based photocatalyst for energy and environmental applications. Arabian Journal of Chemistry, 2020, 13, 8271-8300.	4.9	33
49	Sol-gel synthesis and characterization of conducting polythiophene/tin phosphate nano tetrapod composite cation-exchanger and its application as Hg(II) selective membrane electrode. Journal of Sol-Gel Science and Technology, 2013, 65, 160-169.	2.4	32
50	An overview on cellulose-supported semiconductor photocatalysts for water purification. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	32
51	Strategies and perspectives of tailored SnS ₂ photocatalyst for solar driven energy applications. Solar Energy, 2022, 231, 546-565.	6.1	32
52	Interaction of amphiphilic drug imipramine hydrochloride with gemini surfactants at different temperatures. Journal of Molecular Liquids, 2014, 194, 234-240.	4.9	30
53	Copper sulfides based photocatalysts for degradation of environmental pollution hazards: A review on the recent catalyst design concepts and future perspectives. Surfaces and Interfaces, 2022, 33, 102182.	3.0	29
54	SDBS-functionalized MWCNT/poly(o-toluidine) nanowires modified glassy carbon electrode as a selective sensing platform for Ce ³⁺ in real samples. Journal of Molecular Liquids, 2019, 279, 392-399.	4.9	27

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55	Strategies based review on near-infrared light-driven bismuth nanocomposites for environmental pollutants degradation. <i>Chemosphere</i> , 2022, 291, 132781.	8.2	27
56	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS ₂ based solid-state Z-scheme and S-scheme heterostructure. <i>Fuel</i> , 2021, 303, 121302.	6.4	26
57	Kinetics and Mechanistic Investigation of Decarboxylation for the Oxidation of Levofloxacin by Chloroamine-T in Acidic Medium. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4819-4824.	3.7	25
58	Molecular and enzoinformatics perspectives of targeting Polo-like kinase 1 in cancer therapy. <i>Seminars in Cancer Biology</i> , 2019, 56, 47-55.	9.6	25
59	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Nanomaterials</i> , 2020, 10, 1004.	4.1	25
60	Interaction of the Amphiphilic Drug Amitriptyline Hydrochloride with Gemini and Conventional Surfactants: A Physicochemical Approach. <i>Journal of Solution Chemistry</i> , 2013, 42, 1532-1544.	1.2	24
61	Investigation of Micellar and Phase Separation Phenomenon of the Amphiphilic Drug Amitriptyline Hydrochloride with Cationic Hydrotropes. <i>Journal of Solution Chemistry</i> , 2013, 42, 390-411.	1.2	23
62	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , 2021, 24, 101074.	4.3	23
63	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> , 2013, 19, 1774-1780.	5.8	22
64	Mixed micellization of gemini surfactant with nonionic surfactant in aqueous media: a fluorometric study. <i>Colloid Journal</i> , 2013, 75, 235-240.	1.3	22
65	Polybenzimidazole hybrid membranes as a selective adsorbent of mercury. <i>Composites Part B: Engineering</i> , 2014, 56, 392-396.	12.0	22
66	In vitro studies of carbon fiber microbiosensor for dopamine neurotransmitter supported by copper-graphene oxide composite. <i>Mikrochimica Acta</i> , 2014, 181, 1049-1057.	5.0	22
67	Spectrophotometric methods for the determination of ampicillin by potassium permanganate and 1-chloro-2,4-dinitrobenzene in pharmaceutical preparations. <i>Arabian Journal of Chemistry</i> , 2015, 8, 255-263.	4.9	22
68	Preparation and Characterization of hybrid graphene oxide composite and its application in paracetamol microbiosensor. <i>Polymer Composites</i> , 2015, 36, 221-228.	4.6	22
69	Surfactant-assisted graphene oxide/methylaniline nanocomposites for lead ionic sensor development for the environmental remediation in real sample matrices. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8461-8470.	3.5	22
70	A New Trend on Biosensor for Neurotransmitter Choline/Acetylcholine—An Overview. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1927-1939.	2.9	21
71	Current status of hematite (±-Fe ₂ O ₃) based Z-scheme photocatalytic systems for environmental and energy applications. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107427.	6.7	21
72	Toward Facile Preparation and Design of Mulberry-Shaped Poly(2-methylaniline)-Ce ₂ (WO ₄) ₃ @CNT Nanocomposite and Its Application for Electrochemical Cd ²⁺ Ion Detection for Environment Remediation. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 335-345.	1.9	20

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73	Chemical Sensor Development and Antibacterial Activities Based on Polyaniline/Gemini Surfactants for Environmental Safety. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1673-1684.	5.0	20
74	Magnetic molecularly imprinted polymer photocatalysts: synthesis, applications and future perspective. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 113, 1-14.	5.8	20
75	Organic additives and pharmaceutical excipients as cloud point modifiers in amitriptyline hydrochloride solutions. <i>Journal of Molecular Liquids</i> , 2012, 172, 59-65.	4.9	19
76	Aggregation and phase separation behavior of an amphiphilic drug promazine hydrochloride under the influence of inorganic salts and ureas. <i>Thermochimica Acta</i> , 2013, 574, 26-37.	2.7	19
77	A green-nanocomposite film based on poly(vinyl alcohol)/ <i>Eleusine coracana</i> : structural, thermal, and morphological properties. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 257-265.	1.9	19
78	Binding Interaction of Captopril with Metal Ions: A Fluorescence Quenching Study. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1755-1761.	4.9	18
79	Sol-gel synthesis of poly(o-toluidine)@Sn(II)silicate/CNT composites for ion selective membrane electrodes. <i>Journal of Molecular Liquids</i> , 2015, 208, 71-77.	4.9	18
80	Isolation and Production of Nanocrystalline Cellulose from Conocarpus Fiber. <i>Polymers</i> , 2021, 13, 1835.	4.5	18
81	Photocatalytic degradation aspects of atrazine in water: Enhancement strategies and mechanistic insights. <i>Journal of Cleaner Production</i> , 2022, 367, 133087.	9.3	18
82	Clouding Behavior of Amphiphilic Drug Clomipramine Hydrochloride with Pharmaceutical Excipients. <i>Tenside, Surfactants, Detergents</i> , 2013, 50, 376-384.	1.2	17
83	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> , 2014, 20, 2301-2309.	5.8	17
84	Studies on the oxidation of levofloxacin by N-bromosuccinimide in acidic medium and their mechanistic pathway. <i>Journal of Molecular Liquids</i> , 2016, 218, 604-610.	4.9	17
85	The conducting polymer electrolyte based on polypyrrole-polyvinyl alcohol and its application in low-cost quasi-solid-state dye-sensitized solar cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3785-3797.	2.5	17
86	Chemical sensing platform for the Zn ²⁺ ions based on poly(o-anisidine-co-methyl anthranilate) copolymer composites and their environmental remediation in real samples. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27899-27911.	5.3	17
87	Photocatalytic transition-metal-oxides-based p-n heterojunction materials: synthesis, sustainable energy and environmental applications, and perspectives. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 129-166.	9.1	17
88	A new way of synthesis nanohybrid cation-exchanger applicable for membrane electrode. <i>Polymer Composites</i> , 2014, 35, 1436-1443.	4.6	16
89	Preparation and characterization of MCM-48/nickel oxide composite as an efficient and reusable catalyst for the assessment of photocatalytic activity. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32670-32682.	5.3	16
90	Synthesis of magnetically separable Bi ₂ O ₂ CO ₃ /carbon nanotube/ZnFe ₂ O ₄ as Z-scheme heterojunction with enhanced photocatalytic activity for water purification. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 408-422.	2.4	16

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91	Emerging new-generation covalent organic frameworks composites as green catalysts: design, synthesis and solar to fuel production. Chemical Engineering Journal, 2022, 433, 134594.	12.7	16
92	Kinetics and Mechanism of Deamination and Decarboxylation of 2-Aminopentanedioic Acid by Quinolinium Dichromate (QDC) in Aqueous Perchloric Acid Medium. Industrial & Engineering Chemistry Research, 2011, 50, 9883-9889.	3.7	15
93	Kinetics and adsorption studies on the removal of levofloxacin using coconut coir charcoal impregnated with Al ₂ O ₃ nanoparticles. Desalination and Water Treatment, 2016, 57, 23918-23926.	1.0	15
94	Preparation of Styrene-Butadiene Rubber (SBR) Composite Incorporated with Collagen-Functionalized Graphene Oxide for Green Tire Application. Gels, 2022, 8, 161.	4.5	15
95	Effect of Organic Additives on the Phase Separation Phenomenon of Amphiphilic Drug Solutions. Journal of Surfactants and Detergents, 2012, 15, 765-775.	2.1	14
96	Mechanistic investigation of the oxidation of Cefuroxime by hexacyanoferrate(III) in alkaline conditions. Journal of Industrial and Engineering Chemistry, 2013, 19, 595-600.	5.8	14
97	Facial synthesis of highly active polymer vanadium molybdate nanocomposite: Improved thermoelectric and antimicrobial studies. Journal of Physics and Chemistry of Solids, 2019, 131, 148-155.	4.0	14
98	Room temperature preparation, electrical conductivity, and thermal behavior evaluation on silver nanoparticle embedded polyaniline tungstophosphate nanocomposite. Polymer Composites, 2016, 37, 2460-2466.	4.6	13
99	Graphene Oxide Based Metallic Nanoparticles and their Some Biological and Environmental Application. Current Drug Metabolism, 2018, 18, 1020-1029.	1.2	13
100	Interaction of CFP with Metal ions: Complex Formation of CFP with Metal ion by Absorption and Fluorescence Spectrophotometry. Journal of the Korean Chemical Society, 2009, 53, 152-158.	0.2	13
101	Micro concentrations of Ru(III) used as homogenous catalyst in the oxidation of levothyroxine by N-bromosuccinimide and the mechanistic pathway. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 127-133.	5.3	12
102	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. Journal of Nanomaterials, 2018, 2018, 1-17.	2.7	12
103	Recent advances and emerging trends in (BiO) ₂ CO ₃ based photocatalysts for environmental remediation: A review. Surfaces and Interfaces, 2021, 25, 101273.	3.0	12
104	Controllable functionalization of g-C ₃ N ₄ mediated all-solid-state (ASS) Z-scheme photocatalysts towards sustainable energy and environmental applications. Environmental Technology and Innovation, 2021, 24, 101972.	6.1	12
105	Preparation, properties and applications of organic-inorganic hybrid nanocomposite poly(aniline-co-o-toluidine) tungstomolybdate. Journal of Molecular Liquids, 2016, 216, 646-653.	4.9	11
106	Preparation of new and novel wave like poly(2-anisidine) zirconium tungstate nanocomposite: Thermal, electrical and ion-selective studies. Chinese Journal of Chemical Engineering, 2019, 27, 459-466.	3.5	11
107	Nanocarbon and its composites for water purification. , 2019, , 711-731.		11
108	Nanocomposite cross-linked conjugated polyelectrolyte/MWCNT/poly(pyrrole) for enhanced Mg ²⁺ ion sensing and environmental remediation in real samples. Journal of Materials Research and Technology, 2020, 9, 9667-9674.	5.8	11

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109	Green aspects of photocatalysts during corona pandemic: a promising role for the deactivation of COVID-19 virus. RSC Advances, 2022, 12, 13609-13627.	3.6	11
110	Kinetic and mechanistic investigation of the oxidation of the antibacterial agent levofloxacin by permanganate in alkaline medium. Transition Metal Chemistry, 2010, 35, 117-123.	1.4	10
111	Synthesis of Novel Schiff Bases by Microwave Irradiation and Their in vitro Antibacterial Activity. Asian Journal of Chemistry, 2013, 25, 8643-8646.	0.3	10
112	Electrical conductivity and ion-exchange kinetic studies of polythiophene Sn(VI)phosphate nano composite cation-exchanger. Arabian Journal of Chemistry, 2019, 12, 1652-1659.	4.9	10
113	Hydrothermally Preparation and Characterization of Un-doped Manganese Oxide Nanostructures: Efficient Photocatalysis and Chemical Sensing Applications. Micro and Nanosystems, 2013, 5, 22-28.	0.6	9
114	Synthesis of Silver Embedded Poly(o-Anisidine) Molybdophosphate Nano Hybrid Cation-Exchanger Applicable for Membrane Electrode. PLoS ONE, 2014, 9, e96897.	2.5	9
115	Preparation, Electrical Conductivity, and Thermal Studies on Silver Doped Polyaniline Phosphotungstate Nanocomposite. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 1526-1530.	0.6	9
116	Spectroscopic investigation on kinetics and mechanistic aspects to electron-transfer process into quinolinium dichromate oxidation of a high blood pressure drug captopril in acidic medium. Journal of Molecular Liquids, 2015, 203, 1-6.	4.9	9
117	Toward designing efficient rice-shaped polyaniline@bismuth oxide nanocomposites for sensor application. Journal of Sol-Gel Science and Technology, 2015, 76, 519-528.	2.4	9
118	Facial synthesis, characterization of graphene oxide-zirconium tungstate (GO-Zr(WO ₄) ₂) nanocomposite and its application as modified microsensor for dopamine. Journal of Alloys and Compounds, 2017, 723, 811-819.	5.5	9
119	Hydrothermal synthesis and mechanically activated zeolite material for utilizing the removal of Ca/Mg from aqueous and raw groundwater. Journal of Environmental Chemical Engineering, 2021, 9, 105834.	6.7	9
120	Preparation and characterization of lignin/nano graphene oxide/styrene butadiene rubber composite for automobile tyre application. International Journal of Biological Macromolecules, 2022, 206, 363-370.	7.5	9
121	Physico-Chemical Investigations of Mixed Micelles of Cationic Gemini and Conventional Surfactants: a Conductometric Study. Journal of Surfactants and Detergents, 2013, 16, 77-84.	2.1	8
122	Electrocatalytic Behavior and Determination of Amitriptyline Drug with MWCNT@Cellulose Composite Modified Glassy Carbon Electrode. Materials, 2020, 13, 1708.	2.9	8
123	Efficient catalytic degradation of organic pollutants with cupric oxide nanomaterials in aqueous medium. Journal of Environmental Chemical Engineering, 2021, 9, 106305.	6.7	8
124	Fabrication of Ethanol Chemical Sensors Based on As-Prepared Gd ₂ O ₃ Nanorods by Facile Hydrothermal Routes. Journal of Colloid Science and Biotechnology, 2013, 2, 322-327.	0.2	8
125	Recent progress on elemental sulfur based photocatalysts for energy and environmental applications. Chemosphere, 2022, 305, 135477.	8.2	8
126	Resonance Rayleigh Scattering, Second-Order Scattering and Frequency Doubling Scattering Spectra of Copper(II)-Flutamide System with Anionic Surfactants and its Analytical Application. Journal of Fluorescence, 2011, 21, 1357-1363.	2.5	7

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127	Preparation and Properties of Novel Quaternized Metal-Polymer Matrix Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 1615-1624.	1.9	7
128	Complexation and oxidation of Flutamide with Fe ³⁺ and 1,10-phenanthroline: Few analytical applications. <i>Arabian Journal of Chemistry</i> , 2018, 11, 240-246.	4.9	7
129	Catalyst usage of micro concentration of Mn(II) for the oxidation of biotin by peroxomonosulphate in aqueous medium: A mechanistic approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3590-3595.	5.8	6
130	Toward design and measurement of electrical conductivity and thermal properties of silver nanoparticle embedded poly(vinylidene fluoride) molybdophosphate nanocomposite and its application as microbiosensor. <i>Polymer Composites</i> , 2017, 38, E237.	4.6	6
131	Sustainable solutions for indoor pollution abatement during COVID phase: A critical study on current technologies & challenges. <i>Journal of Hazardous Materials Advances</i> , 2022, 7, 100097.	3.0	6
132	Surveillance of omicron variants through wastewater epidemiology: Latest developments in environmental monitoring of pandemic. <i>Science of the Total Environment</i> , 2022, 843, 156724.	8.0	6
133	Fluorescence Enhancement of Levosulpiride Upon Coordination with Transition Metal Ions and Spectrophotometric Determination of Complex Formation. <i>Analytical Letters</i> , 2009, 42, 2192-2205.	1.8	5
134	Kinetics and Mechanism of Oxidation of D-Penicillamine by Potassium Hexacyanoferrate(III) Ions in Aqueous Solution in the Presence of Sodium Dodecyl Sulphate and Cetyltrimethylammonium Bromide. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 717-723.	2.4	5
135	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> , 2013, 39, 2379-2389.	2.7	5
136	UV-absorption and fluorimetric methods for the determination of alprazolam in pharmaceutical formulation. <i>Arabian Journal of Chemistry</i> , 2013, 6, 369-378.	4.9	5
137	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> , 2013, 5, 3-13.	0.6	5
138	Aggregation and Phase Separation Phenomenon of Amitriptyline Hydrochloride Under the Influence of Pharmaceutical Excipients. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 37-48.	2.1	5
139	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> , 2014, 199, 495-500.	4.9	5
140	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> , 2014, 35, 1588-1598.	2.4	5
141	Influence of additives (inorganic/organic) on the clouding behavior of amphiphilic drug solutions: Some thermodynamic studies. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 292-300.	5.2	5
142	Preparation and characterization of polyvinylchloride membrane embedded with Cu nanoparticles for electrochemical oxidation in direct methanol fuel cell. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 2207-2216.	4.2	5
143	Spectrophotometric Investigation of Oxidation of Cefpodoxime Proxetil by Permanganate in Alkaline Medium: A Kinetic Study. <i>Journal of the Korean Chemical Society</i> , 2009, 53, 709-716.	0.2	5
144	Insertion of metal cations into hybrid organometallic halide perovskite nanocrystals for enhanced stability: eco-friendly synthesis, lattice strain engineering, and defect chemistry studies. <i>Nanoscale Advances</i> , 2022, 4, 2729-2743.	4.6	5

#	ARTICLE	IF	CITATIONS
145	Effect of Process Parameters on the Fabrication of Hybrid Natural Fiber Composites Fabricated via Compression Moulding Process. <i>Journal of Natural Fibers</i> , 2022, 19, 14803-14812.	3.1	5
146	Spectrophotometric interaction of the oxidation of captopril by hexacyanoferrate(III) in an alkaline medium: a kinetic and mechanistic approach. <i>Journal of Sulfur Chemistry</i> , 2011, 32, 427-434.	2.0	4
147	Resonance Rayleigh Scattering Spectra, Nonlinear Scattering Spectra of Selected Cephalosporins-Cd(II) Chelate with Titan Yellow and Their Analytical Applications. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 1023-1031.	2.4	4
148	Analysis of Mixed Micellar Behavior of Promazine Hydrochloride with Surfactants in Aqueous Medium at Different Temperatures and Compositions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 1671-1686.	2.8	4
149	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> , 2016, 46, 10-18.	0.6	4
150	Transport and surface charge density of univalent ion of polyvinyl chloride-based barium tungstate ion-exchange composite membrane for industrial separation of waste water. <i>Journal of Industrial Textiles</i> , 2019, 49, 584-596.	2.4	4
151	Hexagonal arrays of Pt nanocylinders on the top surface of PAA membranes using low vacuum sputter coating technique. <i>Vacuum</i> , 2019, 161, 259-267.	3.5	4
152	Fabrication of a lead ion selective membrane based on a polycarbazole Sn(IV) arsenotungstate nanocomposite and its ion exchange membrane (IEM) kinetic studies. <i>RSC Advances</i> , 2021, 11, 4210-4220.	3.6	4
153	Bio-based aerogels and their environment applications: an overview. , 2021, , 347-356.		4
154	Spectroscopic and Substitution Kinetic Studies of Hexacyanoferrate(II) Complexes by EDTA Catalysed with Mercury(II). <i>E-Journal of Chemistry</i> , 2009, 6, S103-S110.	0.5	3
155	Interaction of Clofazimine with Divalent Metal Ions: A Fluorescence Quenching Study. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 1465-1469.	2.4	3
156	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> , 2014, 40, 1703-1714.	2.7	3
157	A Mechanistic Studies of Mn(II) Catalyzed Oxidation of a Gabapentin by Peroxomonosulphate in Aqueous Alkaline Medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 51-65.	2.8	3
158	Preparation of poly(2-methylaniline)V(III) tungstate nanofiber and its application as indicator electrode by diffusion phenomenon. <i>Solid State Ionics</i> , 2017, 301, 28-34.	2.7	3
159	Spectral and Mechanistic Investigation of Oxidation of Rizatriptan by Silver Third Periodate Complex in Aqueous Alkaline Medium. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 412-421.	1.3	3
160	A glucose biosensor based on a glassy carbon electrode modified with orthotolidine-methyl anthranilate@MWCNT composites. <i>Materials Research Express</i> , 2019, 6, 065407.	1.6	3
161	Novel and Green Reduction of Graphene Oxide by Capsicum Annuum: Its Photo Catalytic Activity. <i>Journal of Natural Fibers</i> , 2020, , 1-16.	3.1	3
162	Hexagonal diameter in cadmium sulfide/anodic alumina nanoporous bi-layer membrane by a sol-gel spin coating and their sensing application. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3

#	ARTICLE	IF	CITATIONS
163	Aerogel applications and future aspects. , 2021, , 357-367.		3
164	Statistical study on the impact of different meteorological changes on the spread of COVID-19 pandemic in Egypt and its latitude. Modeling Earth Systems and Environment, 2022, 8, 2225-2231.	3.4	3
165	Sol-Gel Synthesis and Characterization of Highly Selective Poly(N-methyl pyrrole) Stannous(II) Tungstate Nano Composite for Mercury (Hg(II)) Detection. Crystals, 2022, 12, 371.	2.2	3
166	Development of spectrofluorimetric methods for the determination of levosulpiride in pharmaceutical formulation. Journal of Analytical Chemistry, 2011, 66, 603-609.	0.9	2
167	A Mechanistic Approach to the Influence of Surfactants on the Oxidation of Ethyl Mercaptan and its Dimer Ethyl Mercaptan Disulfide by Hexacyanoferrate(III) Ions in Aqueous Medium. Tenside, Surfactants, Detergents, 2016, 53, 87-93.	1.2	2
168	Mechanistic study of oxidation of d -arabinose by N-bromophthalimide in presence of micro-amount of chloro-complex of Ru(III) as a homogeneous catalyst. Arabian Journal of Chemistry, 2017, 10, 965-974.	4.9	2
169	Functionalized Graphene Aerogel. , 2019, , 157-176.		2
170	Electrically conductive self-healing materials: preparation, properties, and applications. , 2020, , 1-13.		2
171	Graphene-based material for self-healing: mechanism, synthesis, characteristics, and applications. , 2020, , 163-175.		2
172	Solid-state hydrides for hydrogen storage. , 2021, , 249-264.		2
173	Superior removal of methylene blue using green fabricated pomegranate peel/nano-hematite composite: reusability, isotherm and kinetics study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12413-12425.	3.5	2
174	Deamination and decarboxylation of L-tyroxine by Chloroamine-T (CAT) in acidic medium: A mechanistic and kinetic study. Russian Journal of Physical Chemistry B, 2016, 10, 922-928.	1.3	1
175	Resonance Light-Scattering Enhancement Effect of the Y(III)â€“PUFXâ€“Eosin System and its Fluorescence Study. Pharmaceutical Chemistry Journal, 2018, 52, 182-190.	0.8	1
176	Potentiometric titration studies of poly(aniline-co-pyrrole)-Sn(IV) tungstoarsenate composite cation exchange membrane and their application as a Ni(II) selective electrode. Journal of Dispersion Science and Technology, 2020, 41, 1192-1200.	2.4	1
177	Natural aerogels for pollutant removal. , 2021, , 19-32.		1
178	Synthesis and characterization of 2D structure of graphene oxide by using Phyllanthus Emblica: its photocatalytic activity on cationic dyes. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 409-418.	2.1	1
179	Aerogel and its composites: fabrication and properties. , 2021, , 1-17.		1
180	Advanced Aqueous Ammonia Monitoring by Perceptive Chemi-Sensor for Environmental Safety. Micro and Nanosystems, 2013, 5, 29-34.	0.6	0

#	ARTICLE	IF	CITATIONS
181	Modulation of Aggregation Behaviour of Amphiphilic Drug and Surfactant Mixture under the Influence of Neutral Polymer. Asian Journal of Chemistry, 2014, 26, 6023-6028.	0.3	0
182	Self-healing of polymer materials and their composites. , 2020, , 103-121.		0
183	Impact of Meteorological Changes on the Spread of COVID-19 Pandemic in Egypt and Its Latitude. SSRN Electronic Journal, 0, , .	0.4	0
184	Adsorptive removals of pollutants using aerogels and its composites. , 2021, , 171-199.		0
185	Fabrication of tantalum oxyfluoride and oxynitride thin films via ammonolysis of sol-gel processed tetraethoxy (1,2-diketonato) tantalum (V) precursors for enhanced photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2021, 32, 10564-10578.	2.2	0
186	Nanocomposite Based on CNT embedded in Water Soluble Conjugated Polyelectrolyte for the Electrochemical Sensing Barium(II) ion. International Journal of Electrochemical Science, 2021, 16, 21092.	1.3	0
187	Nanocomposites for hydrolysis of NaBH ₄ , nanomaterials for hydrogen storage applications. , 2021, , 187-196.		0
188	Production of Mayenite Nanoparticles from the Toxic Cement Dust. Journal of Oleo Science, 2021, 70, 1335-1341.	1.4	0
189	Electrically conductive membrane of polycarbazole Sn(IV) phosphate cation exchange nanocomposite and their ion-selective and sorption studies. , 0, 246, 156-165.		0