luqman Ali shah

List of Publications by Year
in descending order

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82	2,222	279701 23	243529 44
papers	citations	h-index	g-index

82	82	82	1617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation. Water (Switzerland), 2022, 14, 242.	1.2	438
2	Superabsorbent polymer hydrogels with good thermal and mechanical properties for removal of selected heavy metal ions. Journal of Cleaner Production, 2018, 201, 78-87.	4.6	139
3	Solar Light Responsive Poly(vinyl alcohol)-Assisted Hydrothermal Synthesis of Immobilized TiO₂/Ti Film with the Addition of Peroxymonosulfate for Photocatalytic Degradation of Ciprofloxacin in Aqueous Media: A Mechanistic Approach. Journal of Physical Chemistry C, 2018, 122, 406-421.	1.5	138
4	Degradation of quinolone antibiotic, norfloxacin, in aqueous solution using gamma-ray irradiation. Environmental Science and Pollution Research, 2016, 23, 13155-13168.	2.7	102
5	Synthesis of sensitive hybrid polymer microgels for catalytic reduction of organic pollutants. Journal of Environmental Chemical Engineering, 2016, 4, 3492-3497.	3.3	90
6	Efficient Photocatalytic Degradation of Norfloxacin in Aqueous Media by Hydrothermally Synthesized Immobilized TiO₂/Ti Films with Exposed {001} Facets. Journal of Physical Chemistry A, 2016, 120, 9916-9931.	1.1	90
7	Fabrication of stable superabsorbent hydrogels for successful removal of crystal violet from waste water. RSC Advances, 2019, 9, 40051-40061.	1.7	63
8	Zwitterionic superabsorbent polymer hydrogels for efficient and selective removal of organic dyes. RSC Advances, 2019, 9, 18565-18577.	1.7	59
9	Narrowing the band gap of TiO2 by co-doping with Mn2+ and Co2+ for efficient photocatalytic degradation of enoxacin and its additional peroxidase like activity: A mechanistic approach. Journal of Molecular Liquids, 2018, 272, 403-412.	2.3	57
10	Synthesis and characterization of p(NIPAM-AA-AAm) microgels for tuning of optical Properties of silver nanoparticles. Journal of Polymer Research, 2012, 19, 1.	1.2	54
11	Sodium alginate grafted poly(N-vinyl formamide-co-acrylic acid)-bentonite clay hybrid hydrogel for sorptive removal of methylene green from wastewater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125853.	2.3	51
12	TiO2 nanotubes doped poly(vinylidene fluoride) polymer membranes (PVDF/TNT) for efficient photocatalytic degradation of brilliant green dye. Journal of Environmental Chemical Engineering, 2019, 7, 103291.	3.3	49
13	Uptake of heavy metal ions from aqueous media by hydrogels and their conversion to nanoparticles for generation of a catalyst system: two-fold application study. RSC Advances, 2018, 8, 14787-14797.	1.7	47
14	VUV-Photocatalytic Degradation of Bezafibrate by Hydrothermally Synthesized Enhanced {001} Facets TiO₂/Ti Film. Journal of Physical Chemistry A, 2016, 120, 118-127.	1.1	43
15	Activated Ailanthus altissima Sawdust as Adsorbent for Removal of Acid Yellow 29 from Wastewater: Kinetics Approach. Water (Switzerland), 2021, 13, 2136.	1.2	42
16	Advanced Oxidation and Reduction Processes. , 2019, , 135-164.		39
17	Synthesis of an un-modified gum arabic and acrylic acid based physically cross-linked hydrogels with high mechanical, self-sustainable and self-healable performance. Materials Science and Engineering C, 2020, 116, 111278.	3.8	39
18	Ag-loaded thermo-sensitive composite microgels for enhanced catalytic reduction of methylene blue. Nanotechnology for Environmental Engineering, 2017, 2, 1.	2.0	35

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19	Rheological investigation of the viscoelastic thixotropic behavior of synthesized polyethylene glycol-modified polyacrylamide hydrogels using different accelerators. Polymer Bulletin, 2021, 78, 1275-1291.	1.7	34
20	Sodium alginate grafted hydrogel for adsorption of methylene green and use of the waste as an adsorbent for the separation of emulsified oil. Journal of Water Process Engineering, 2022, 46, 102546.	2.6	31
21	Polymerâ€“paclitaxel conjugates based on disulfide linkers for controlled drug release. RSC Advances, 2015, 5, 7559-7566.	1.7	30
22	Synthesis of physically cross-linked gum Arabic-based polymer hydrogels with enhanced mechanical, load bearing and shape memory behavior. Iranian Polymer Journal (English Edition), 2020, 29, 351-360.	1.3	30
23	Developing Ag-tercopolymer microgels for the catalytic reduction of p-nitrophenol and EosinY throughout the entire pH range. Journal of Molecular Liquids, 2019, 288, 111045.	2.3	28
24	Degradation of Crystal Violet Dye by Fenton and Photo-Fenton Oxidation Processes. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1771-1786.	1.4	25
25	Synthesis of graphene oxide doped poly(2-acrylamido-2-methyl propane sulfonic acid) [GO@p(AMPS)] composite hydrogel with pseudo-plastic thixotropic behavior. Polymer Bulletin, 2020, 77, 3921-3935.	1.7	25
26	Bone cement based on vancomycin loaded mesoporous silica nanoparticle and calcium sulfate composites. Materials Science and Engineering C, 2015, 49, 210-216.	3.8	21
27	Thermal and pH Dual Responsive Copolymer and Silver Nanoparticle Composite for Catalytic Application. Chinese Journal of Chemistry, 2015, 33, 467-472.	2.6	19
28	HYDROXYL RADICAL BASED DEGRADATION OF CIPROFLOXACIN IN AQUEOUS SOLUTION. Journal of the Chilean Chemical Society, 2016, 61, 2949-2953.	0.5	16
29	Pyrolysis of polypropylene over zeolite mordenite ammonium: kinetics and products distribution. Journal of Polymer Engineering, 2019, 39, 785-793.	0.6	16
30	The Role of Non-Ionic Surfactants in Solubilization and Delivery of Sparingly Soluble Drug Naproxen Sodium (NS): A Case Study. Zeitschrift Fur Physikalische Chemie, 2019, 233, 933-947.	1.4	16
31	Fabrication of Ag and Au nanoparticles in cross-linked polymer microgels for their comparative catalytic study. Materials Science-Poland, 2017, 35, 651-659.	0.4	15
32	Nickel Oxide-incorporated Polyaniline/Polyvinyl Alcohol Composite for Enhanced Antibacterial Activity. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1261-1274.	1.4	14
33	Synthesis, characterization and physiochemical investigation of chitosan-based multi-responsive Copolymeric hydrogels. Journal of Polymer Research, 2017, 24, 1.	1.2	13
34	One-Pot Synthesis and Rheological Study of Cationic Poly (3-acrylamidopropyltrimethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (a 1145-1159.	1.4	13
35	Decomposition Kinetics of Levofloxacin: Drug-Excipient Interaction. Zeitschrift Fur Physikalische Chemie, 2020, 234, 117-128.	1.4	13
36	Synthesis and Rheological Survey of Xanthan Gum Based Terpolymeric Hydrogels. Zeitschrift Fur Physikalische Chemie, 2021, 235, 609-628.	1.4	13

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37	Facile fabrication of hydrogels for removal of crystal violet from wastewater. International Journal of Environmental Science and Technology, 2022, 19, 4815-4826.	1.8	13
38	Acid fuchsin dosimeter: a potential dosimeter for food irradiation dosimetry. Journal of Food Measurement and Characterization, 2019, 13, 707-715.	1.6	12
39	Investigating the thermodynamic and kinetics properties of acid phosphatase extracted and purified from seedlings of Chenopodium murale. International Journal of Biological Macromolecules, 2020, 165, 1475-1481.	3.6	12
40	Acacia Gum Hydrogels Embedding the In Situ Prepared Silver Nanoparticles; Synthesis, Characterization, and Catalytic Application. Catalysis Letters, 2021, 151, 1212-1223.	1.4	12
41	Rheological Investigation of GO Doped p(APTMACl) Composite Hydrogel. Zeitschrift Fur Physikalische Chemie, 2021, 235, 329-343.	1.4	12
42	Effect of MWCNTs Functionalization on Thermal, Electrical, and Ammonia-Sensing Properties of MWCNTs/PMMA and PHB/MWCNTs/PMMA Thin Films Nanocomposites. Nanomaterials, 2021, 11, 2625.	1.9	12
43	Synthesis, characterization, and biological screening of metal nanoparticles loaded gum acacia microgels. Microscopy Research and Technique, 2021, 84, 1673-1684.	1.2	11
44	Engineering of 3D polymer network hydrogels for biomedical applications: a review. Polymer Bulletin, 2022, 79, 2685-2705.	1.7	11
45	The development of durable ter-copolymer hydrogels for solid surfaces repairing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 622, 126684.	2.3	11
46	Potassiumâ€Ion Activating Formation of Feâ€Nâ€C Moiety as Efficient Oxygen Electrocatalyst for Znâ€Air Batteries. ChemElectroChem, 2021, 8, 1298-1306.	1.7	10
47	Removal of basic green 5 by carbonaceous adsorbent: Adsorption kinetics. Bulletin of the Chemical Society of Ethiopia, 2018, 31, 411.	0.5	9
48	Synthesis, fabrication and characterization of polymer microgel/photochromic dye-based sandwiched sensors. Iranian Polymer Journal (English Edition), 2019, 28, 515-525.	1.3	9
49	Thermal and Rheological Study of Nanocomposites, Reinforced with Bi-Phase Ceramic Nanoparticles. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1233-1246.	1.4	9
50	Micellar Supported Ultrafiltration of Malachite Green: Experimental Verification of Theoretical Approach. Zeitschrift Fur Physikalische Chemie, 2019, 233, 289-301.	1.4	8
51	Degradation of Acetaminophen in Aqueous Media by H2O2 Assisted Gamma Irradiation Process. Zeitschrift Fur Physikalische Chemie, 2018, 232, 545-558.	1.4	7
52	The Effect of Low Weight Percent Multiwalled Carbon Nanotubes on the Dielectric Properties of Non-Conducting Polymer/Ceramic Nanocomposites for Energy Storage Materials. Zeitschrift Fur Physikalische Chemie, 2020, 234, 11-26.	1.4	7
53	Adsorption Kinetics and Isotherm Study of Basic Red 5 on Synthesized Silica Monolith Particles. Water (Switzerland), 2021, 13, 2803.	1.2	7
54	Poly (N-vinyl formamide-co-acrylamide) hydrogels: synthesis, composition and rheology. Iranian Polymer Journal (English Edition), 2022, 31, 845-856.	1.3	7

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55	Investigation of the viscoelastic behavior of PVA-P(AAm/AMPS) IPN hydrogel with enhanced mechanical strength and excellent recoverability. Journal of Polymer Research, 2022, 29, 1.	1.2	7
56	Boosting Oxygen Reduction Catalysis Through Electronic Reconfiguration of Feâ€“Nâ€“C Induced by P Doping. Electrocatalysis, 2021, 12, 747-758.	1.5	6
57	Synthesis of copolymeric hydrogels of acrylamide and 2-(hydroxyethyl methacrylate) and its use for the adsorption of basic blue 3 dye. Zeitschrift Fur Physikalische Chemie, 2021, 235, 707-721.	1.4	6
58	Polymer Hydrogels for Wastewater Treatment. , 0, , .		5
59	Preparation and Physicochemical Characterization of Dual Responsive and Chemically Modified Cellulose Based Copolymer Hydrogels. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1623-1643.	1.4	5
60	Synthesis and characterization of functionalized MWCNTs/PMMA composites: device fabrication for RH sensing. Polymer-Plastics Technology and Materials, 2020, 59, 1608-1620.	0.6	5
61	Synthesis and physioelectrochemical characterization of triethylammonium bisulphate ionic liquid and the role of the electrode surface oxides during ethanol oxidation. Chemical Physics Letters, 2020, 758, 137902.	1.2	5
62	Adhesion tuning of hydrogels via cross-linker for the junction of solid surfaces in dry and wet conditions. Surfaces and Interfaces, 2022, 28, 101659.	1.5	5
63	Removal of Safranin-T and Toluidine from Water through Gum Arabic/Acrylamide Hydrogel. Adsorption Science and Technology, 2022, 2022, .	1.5	5
64	Effect of Experimental Variables on the Physicochemical Characteristics of Multi-Responsive Cellulose Based Polymer Microgels. Russian Journal of Physical Chemistry A, 2020, 94, 1503-1514.	0.1	4
65	Eco-friendly electronics, based on nanocomposites of biopolyester reinforced with carbon nanotubes: a review. Polymer-Plastics Technology and Materials, 2020, 59, 928-951.	0.6	4
66	Evaluating groundwater nitrate and other physicochemical parameters of the arid and semi-arid district of DI Khan by multivariate statistical analysis. Environmental Technology (United Kingdom), 2023, 44, 911-920.	1.2	4
67	Levels and Potential Health Hazards of Chlorinated Pesticides in Surface Water Samples of Charsadda Area of Pakistan Using SPME-GC-ECD Technique. Water (Switzerland), 2021, 13, 2468.	1.2	4
68	Synthesis, characterization and electrochemistry of triethyl ammonium sulphate ionic liquid. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1099-1111.	1.4	4
69	Formulation of zwitter-ionic terpolymeric hydrogels and their comprehensive rheological investigation. Journal of Dispersion Science and Technology, 2023, 44, 1455-1465.	1.3	4
70	Effects of Cu²⁺/Zn²⁺ on the electrochemical performance of polyacrylamide hydrogels as advanced flexible electrode materials. RSC Advances, 2022, 12, 19072-19085.	1.7	4
71	Competition Kinetics: An Experimental Approach. , 0, , .		3
72	Photo-Fenton oxidation of dichlorophene in aqueous solution: kinetics investigation and effects of operational parameters. , 0, 222, 295-301.		3

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73	In-situ stabilization of silver nanoparticles in polymer hydrogels for enhanced catalytic reduction of macro and micro pollutants. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1009-1026.	1.4	3
74	Preparation, Physicochemical and Rheological Studies of Stimuli-Responsive Biodegradable Polymer Gels. Russian Journal of Physical Chemistry B, 2021, 15, S109-S119.	0.2	3
75	Influence of end-group modification on interaction of amphiphilic poly(oxyethylene)-b-poly(oxybutylene) block copolymers with ionic surfactants. Journal of Polymer Research, 2018, 25, 1.	1.2	2
76	RESPONSIVE POLYMER HYBRID GEL CROSS-LINKED BY N,N-(1,2-DIHYDROXYETHYLENE) BISACRYLAMIDE FOR CATALYTIC APPLICATION. Journal of the Chilean Chemical Society, 2016, 61, 3061-3065.	0.5	1
77	Tailoring structural, morphological and mechanical characteristics of mono-crystalline diamond-reinforced polyacrylonitrile based electrospun fibers. Iranian Polymer Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	1
78	Swelling and kinetic investigations of basic blue-3 sorption by polyacrylamide/Gum Arabic hybrid hydrogel in aqueous medium. Zeitschrift Fur Physikalische Chemie, 2021, .	1.4	1
79	Effect of methanol on surfactants and surfactantâ€“PEO mixtures. Asia-Pacific Journal of Chemical Engineering, 0, , e2718.	0.8	1
80	Preparation of Chitosan Based Polymer Microgels, Their Composites with Zinc Oxide Nanoparticles, and Physicochemical Investigation. Russian Journal of Physical Chemistry A, 2021, 95, 2600-2608.	0.1	1
81	Superabsorbent Hydrogels for Heavy Metal Removal. , 0, , .		0
82	Aminated-diamond integrated poly(methyl methacrylate) fibers reinforced epoxy composites with enhanced structural, thermal, and mechanical properties. Polymer Bulletin, 0, , .	1.7	0