

luqman Ali shah

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,222
citations

279701

23
h-index

243529

44
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82
docs citations

82
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating groundwater nitrate and other physicochemical parameters of the arid and semi-arid district of DI Khan by multivariate statistical analysis. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 911-920.	1.2	4
2	Formulation of zwitter-ionic terpolymeric hydrogels and their comprehensive rheological investigation. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 1455-1465.	1.3	4
3	Engineering of 3D polymer network hydrogels for biomedical applications: a review. <i>Polymer Bulletin</i> , 2022, 79, 2685-2705.	1.7	11
4	Facile fabrication of hydrogels for removal of crystal violet from wastewater. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4815-4826.	1.8	13
5	Adhesion tuning of hydrogels via cross-linker for the junction of solid surfaces in dry and wet conditions. <i>Surfaces and Interfaces</i> , 2022, 28, 101659.	1.5	5
6	Sodium alginate grafted hydrogel for adsorption of methylene green and use of the waste as an adsorbent for the separation of emulsified oil. <i>Journal of Water Process Engineering</i> , 2022, 46, 102546.	2.6	31
7	Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation. <i>Water (Switzerland)</i> , 2022, 14, 242.	1.2	438
8	Poly (N-vinyl formamide-co-acrylamide) hydrogels: synthesis, composition and rheology. <i>Iranian Polymer Journal (English Edition)</i> , 2022, 31, 845-856.	1.3	7
9	Investigation of the viscoelastic behavior of PVA-P(AAm/AMPS) IPN hydrogel with enhanced mechanical strength and excellent recoverability. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	7
10	Removal of Safranin-T and Toluidine from Water through Gum Arabic/Acrylamide Hydrogel. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	5
11	Effects of Cu ²⁺ /Zn ²⁺ on the electrochemical performance of polyacrylamide hydrogels as advanced flexible electrode materials. <i>RSC Advances</i> , 2022, 12, 19072-19085.	1.7	4
12	Rheological investigation of the viscoelastic thixotropic behavior of synthesized polyethylene glycol-modified polyacrylamide hydrogels using different accelerators. <i>Polymer Bulletin</i> , 2021, 78, 1275-1291.	1.7	34
13	Synthesis and Rheological Survey of Xanthan Gum Based Terpolymeric Hydrogels. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 609-628.	1.4	13
14	Sodium alginate grafted poly(N-vinyl formamide-co-acrylic acid)-bentonite clay hybrid hydrogel for sorptive removal of methylene green from wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125853.	2.3	51
15	Acacia Gum Hydrogels Embedding the In Situ Prepared Silver Nanoparticles; Synthesis, Characterization, and Catalytic Application. <i>Catalysis Letters</i> , 2021, 151, 1212-1223.	1.4	12
16	Rheological Investigation of GO Doped p(APTMACI) Composite Hydrogel. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 329-343.	1.4	12
17	Synthesis, characterization, and biological screening of metal nanoparticles loaded gum acacia microgels. <i>Microscopy Research and Technique</i> , 2021, 84, 1673-1684.	1.2	11
18	Potassium Ion Activating Formation of Fe ³⁺ -N-C Moiety as Efficient Oxygen Electrocatalyst for Zn-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 1298-1306.	1.7	10

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19	Activated Ailanthus altissima Sawdust as Adsorbent for Removal of Acid Yellow 29 from Wastewater: Kinetics Approach. <i>Water (Switzerland)</i> , 2021, 13, 2136.	1.2	42
20	The development of durable ter-copolymer hydrogels for solid surfaces repairing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126684.	2.3	11
21	Swelling and kinetic investigations of basic blue-3 sorption by polyacrylamide/Gum Arabic hybrid hydrogel in aqueous medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, .	1.4	1
22	Levels and Potential Health Hazards of Chlorinated Pesticides in Surface Water Samples of Charsadda Area of Pakistan Using SPME-GC-ECD Technique. <i>Water (Switzerland)</i> , 2021, 13, 2468.	1.2	4
23	Boosting Oxygen Reduction Catalysis Through Electronic Reconfiguration of Fe@C Induced by P Doping. <i>Electrocatalysis</i> , 2021, 12, 747-758.	1.5	6
24	Synthesis of copolymeric hydrogels of acrylamide and 2-(hydroxyethyl methacrylate) and its use for the adsorption of basic blue 3 dye. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 707-721.	1.4	6
25	<i>in-situ</i> stabilization of silver nanoparticles in polymer hydrogels for enhanced catalytic reduction of macro and micro pollutants. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1009-1026.	1.4	3
26	Adsorption Kinetics and Isotherm Study of Basic Red 5 on Synthesized Silica Monolith Particles. <i>Water (Switzerland)</i> , 2021, 13, 2803.	1.2	7
27	Effect of MWCNTs Functionalization on Thermal, Electrical, and Ammonia-Sensing Properties of MWCNTs/PMMA and PHB/MWCNTs/PMMA Thin Films Nanocomposites. <i>Nanomaterials</i> , 2021, 11, 2625.	1.9	12
28	Synthesis, characterization and electrochemistry of triethyl ammonium sulphate ionic liquid. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1099-1111.	1.4	4
29	Preparation, Physicochemical and Rheological Studies of Stimuli-Responsive Biodegradable Polymer Gels. <i>Russian Journal of Physical Chemistry B</i> , 2021, 15, S109-S119.	0.2	3
30	Preparation of Chitosan Based Polymer Microgels, Their Composites with Zinc Oxide Nanoparticles, and Physicochemical Investigation. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 2600-2608.	0.1	1
31	Decomposition Kinetics of Levofloxacin: Drug-Excipient Interaction. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 117-128.	1.4	13
32	The Effect of Low Weight Percent Multiwalled Carbon Nanotubes on the Dielectric Properties of Non-Conducting Polymer/Ceramic Nanocomposites for Energy Storage Materials. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 11-26.	1.4	7
33	Synthesis of graphene oxide doped poly(2-acrylamido-2-methyl propane sulfonic acid) [GO@p(AMPS)] composite hydrogel with pseudo-plastic thixotropic behavior. <i>Polymer Bulletin</i> , 2020, 77, 3921-3935.	1.7	25
34	Preparation and Physicochemical Characterization of Dual Responsive and Chemically Modified Cellulose Based Copolymer Hydrogels. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1623-1643.	1.4	5
35	Investigating the thermodynamic and kinetics properties of acid phosphatase extracted and purified from seedlings of <i>Chenopodium murale</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1475-1481.	3.6	12
36	Effect of Experimental Variables on the Physicochemical Characteristics of Multi-Responsive Cellulose Based Polymer Microgels. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1503-1514.	0.1	4

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37	Synthesis and characterization of functionalized MWCNTs/PMMA composites: device fabrication for RH sensing. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1608-1620.	0.6	5
38	Synthesis and physioelectrochemical characterization of triethylammonium bisulphate ionic liquid and the role of the electrode surface oxides during ethanol oxidation. <i>Chemical Physics Letters</i> , 2020, 758, 137902.	1.2	5
39	Synthesis of physically cross-linked gum Arabic-based polymer hydrogels with enhanced mechanical, load bearing and shape memory behavior. <i>Iranian Polymer Journal (English Edition)</i> , 2020, 29, 351-360.	1.3	30
40	Synthesis of an un-modified gum arabic and acrylic acid based physically cross-linked hydrogels with high mechanical, self-sustainable and self-healable performance. <i>Materials Science and Engineering C</i> , 2020, 116, 111278.	3.8	39
41	Eco-friendly electronics, based on nanocomposites of biopolyester reinforced with carbon nanotubes: a review. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 928-951.	0.6	4
42	TiO ₂ nanotubes doped poly(vinylidene fluoride) polymer membranes (PVDF/TNT) for efficient photocatalytic degradation of brilliant green dye. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103291.	3.3	49
43	Tailoring structural, morphological and mechanical characteristics of mono-crystalline diamond-reinforced polyacrylonitrile based electrospun fibers. <i>Iranian Polymer Journal (English)</i> Tj ETQq1 1 0.784314rgBT /Overlock 10	1.4	10
44	Pyrolysis of polypropylene over zeolite mordenite ammonium: kinetics and products distribution. <i>Journal of Polymer Engineering</i> , 2019, 39, 785-793.	0.6	16
45	Developing Ag-tercopolymer microgels for the catalytic reduction of p-nitrophenol and EosinY throughout the entire pH range. <i>Journal of Molecular Liquids</i> , 2019, 288, 111045.	2.3	28
46	Synthesis, fabrication and characterization of polymer microgel/photochromic dye-based sandwiched sensors. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 515-525.	1.3	9
47	Zwitterionic superabsorbent polymer hydrogels for efficient and selective removal of organic dyes. <i>RSC Advances</i> , 2019, 9, 18565-18577.	1.7	59
48	Advanced Oxidation and Reduction Processes. , 2019, , 135-164.		39
49	Fabrication of stable superabsorbent hydrogels for successful removal of crystal violet from waste water. <i>RSC Advances</i> , 2019, 9, 40051-40061.	1.7	63
50	One-Pot Synthesis and Rheological Study of Cationic Poly (3-acrylamidopropyltrimethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (a 1145-1159.	1.4	13
51	Thermal and Rheological Study of Nanocomposites, Reinforced with Bi-Phase Ceramic Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1233-1246.	1.4	9
52	Acid fuchsin dosimeter: a potential dosimeter for food irradiation dosimetry. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 707-715.	1.6	12
53	Nickel Oxide-incorporated Polyaniline/Polyvinyl Alcohol Composite for Enhanced Antibacterial Activity. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1261-1274.	1.4	14
54	The Role of Non-Ionic Surfactants in Solubilization and Delivery of Sparingly Soluble Drug Naproxen Sodium (NS): A Case Study. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 933-947.	1.4	16

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55	Micellar Supported Ultrafiltration of Malachite Green: Experimental Verification of Theoretical Approach. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 289-301.	1.4	8
56	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. <i>RSC Advances</i> , 2018, 8, 14787-14797.	1.7	47
57	Degradation of Acetaminophen in Aqueous Media by H ₂ O ₂ Assisted Gamma Irradiation Process. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 545-558.	1.4	7
58	Degradation of Crystal Violet Dye by Fenton and Photo-Fenton Oxidation Processes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1771-1786.	1.4	25
59	Solar Light Responsive Poly(vinyl alcohol)-Assisted Hydrothermal Synthesis of Immobilized TiO ₂ /Ti Film with the Addition of Peroxymonosulfate for Photocatalytic Degradation of Ciprofloxacin in Aqueous Media: A Mechanistic Approach. <i>Journal of Physical Chemistry C</i> , 2018, 122, 406-421.	1.5	138
60	Narrowing the band gap of TiO ₂ by co-doping with Mn ²⁺ and Co ²⁺ for efficient photocatalytic degradation of enoxacin and its additional peroxidase like activity: A mechanistic approach. <i>Journal of Molecular Liquids</i> , 2018, 272, 403-412.	2.3	57
61	Influence of end-group modification on interaction of amphiphilic poly(oxyethylene)-b-poly(oxybutylene) block copolymers with ionic surfactants. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	2
62	Removal of basic green 5 by carbonaceous adsorbent: Adsorption kinetics. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2018, 31, 411.	0.5	9
63	Superabsorbent polymer hydrogels with good thermal and mechanical properties for removal of selected heavy metal ions. <i>Journal of Cleaner Production</i> , 2018, 201, 78-87.	4.6	139
64	Synthesis, characterization and physiochemical investigation of chitosan-based multi-responsive Copolymeric hydrogels. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	13
65	Ag-loaded thermo-sensitive composite microgels for enhanced catalytic reduction of methylene blue. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	2.0	35
66	Fabrication of Ag and Au nanoparticles in cross-linked polymer microgels for their comparative catalytic study. <i>Materials Science-Poland</i> , 2017, 35, 651-659.	0.4	15
67	HYDROXYL RADICAL BASED DEGRADATION OF CIPROFLOXACIN IN AQUEOUS SOLUTION. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 2949-2953.	0.5	16
68	RESPONSIVE POLYMER HYBRID GEL CROSS-LINKED BY N,N-(1,2-DIHYDROXYETHYLENE) BISACRYLAMIDE FOR CATALYTIC APPLICATION. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 3061-3065.	0.5	1
69	Synthesis of sensitive hybrid polymer microgels for catalytic reduction of organic pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3492-3497.	3.3	90
70	Efficient Photocatalytic Degradation of Norfloxacin in Aqueous Media by Hydrothermally Synthesized Immobilized TiO ₂ /Ti Films with Exposed {001} Facets. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9916-9931.	1.1	90
71	VUV-Photocatalytic Degradation of Bezafibrate by Hydrothermally Synthesized Enhanced {001} Facets TiO ₂ /Ti Film. <i>Journal of Physical Chemistry A</i> , 2016, 120, 118-127.	1.1	43
72	Degradation of quinolone antibiotic, norfloxacin, in aqueous solution using gamma-ray irradiation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13155-13168.	2.7	102

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73	Bone cement based on vancomycin loaded mesoporous silica nanoparticle and calcium sulfate composites. <i>Materials Science and Engineering C</i> , 2015, 49, 210-216.	3.8	21
74	Thermal and pH Dual Responsive Copolymer and Silver Nanoparticle Composite for Catalytic Application. <i>Chinese Journal of Chemistry</i> , 2015, 33, 467-472.	2.6	19
75	Polymer-paclitaxel conjugates based on disulfide linkers for controlled drug release. <i>RSC Advances</i> , 2015, 5, 7559-7566.	1.7	30
76	Synthesis and characterization of p(NIPAM-AA-AAm) microgels for tuning of optical Properties of silver nanoparticles. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	54
77	Competition Kinetics: An Experimental Approach. , 0, , .		3
78	Polymer Hydrogels for Wastewater Treatment. , 0, , .		5
79	Superabsorbent Hydrogels for Heavy Metal Removal. , 0, , .		0
80	Photo-Fenton oxidation of dichlorophene in aqueous solution: kinetics investigation and effects of operational parameters. , 0, 222, 295-301.		3
81	Effect of methanol on surfactants and surfactant-PEO mixtures. <i>Asia-Pacific Journal of Chemical Engineering</i> , 0, , e2718.	0.8	1
82	Aminated-diamond integrated poly(methyl methacrylate) fibers reinforced epoxy composites with enhanced structural, thermal, and mechanical properties. <i>Polymer Bulletin</i> , 0, , .	1.7	0