

Yousef Faraj

List of Publications by Year in descending order

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41
papers

1,070
citations

394421

19
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based membranes with uniform 2D nanochannels for precise sieving of mono-/multi-valent metal ions. <i>Journal of Membrane Science</i> , 2018, 550, 208-218.	8.2	116
2	β -Cyclodextrin-modified graphene oxide membranes with large adsorption capacity and high flux for efficient removal of bisphenol A from water. <i>Journal of Membrane Science</i> , 2020, 595, 117510.	8.2	77
3	Designable Polymeric Microparticles from Droplet Microfluidics for Controlled Drug Release. <i>Advanced Materials Technologies</i> , 2019, 4, 1800687.	5.8	73
4	Preparation of high strength poly(vinylidene fluoride) porous membranes with cellular structure via vapor-induced phase separation. <i>Journal of Membrane Science</i> , 2018, 549, 151-164.	8.2	67
5	Nanocomposite smart hydrogels with improved responsiveness and mechanical properties: A mini review. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1306-1313.	2.1	56
6	High-flux efficient catalytic membranes incorporated with iron-based Fenton-like catalysts for degradation of organic pollutants. <i>Journal of Membrane Science</i> , 2019, 573, 493-503.	8.2	46
7	A new visualisation and measurement technology for water continuous multiphase flows. <i>Flow Measurement and Instrumentation</i> , 2015, 46, 204-212.	2.0	44
8	Chitosan microcapsule membranes with nanoscale thickness for controlled release of drugs. <i>Journal of Membrane Science</i> , 2019, 590, 117275.	8.2	44
9	Fabrication and flow characteristics of monodisperse bullet-shaped microparticles with controllable structures. <i>Chemical Engineering Journal</i> , 2019, 370, 925-937.	12.7	41
10	Novel composite membranes for simultaneous catalytic degradation of organic contaminants and adsorption of heavy metal ions. <i>Separation and Purification Technology</i> , 2020, 237, 116364.	7.9	37
11	Measurement of vertical oil-in-water two-phase flow using dual-modality ERT-EMF system. <i>Flow Measurement and Instrumentation</i> , 2015, 46, 255-261.	2.0	36
12	A novel smart membrane with ion-recognizable nanogels as gates on interconnected pores for simple and rapid detection of trace lead(II) ions in water. <i>Journal of Membrane Science</i> , 2019, 575, 28-37.	8.2	28
13	Identification of two-phase flow regime using ultrasonic phased array. <i>Flow Measurement and Instrumentation</i> , 2020, 72, 101726.	2.0	27
14	Evaluation of EIT systems and algorithms for handling full void fraction range in two-phase flow measurement. <i>Measurement Science and Technology</i> , 2015, 26, 015305.	2.6	26
15	Effect of Oxidized-Group-Supported Lamellar Distance on Stability of Graphene-Based Membranes in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9439-9447.	3.7	25
16	Bubble-Propelled Hierarchical Porous Micromotors from Evolved Double Emulsions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1590-1600.	3.7	25
17	Transparent thermo-responsive poly(<i>N</i> -isopropylacrylamide)- <i>l</i> -poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2019, 43, 9507-9515.	2.8	23
18	ERT Investigation on Horizontal and Vertical Counter-gravity Slurry Flow in Pipelines. <i>Procedia Engineering</i> , 2012, 42, 588-606.	1.2	22

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19	A novel membrane with ion-recognizable copolymers in graphene-based nanochannels for facilitated transport of potassium ions. <i>Journal of Membrane Science</i> , 2019, 591, 117345.	8.2	22
20	Smart hydrogels: Network design and emerging applications. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2100-2114.	1.7	20
21	Microfluidic fabrication of core-sheath composite phase change microfibers with enhanced thermal conductive property. <i>Journal of Materials Science</i> , 2018, 53, 15769-15783.	3.7	19
22	Smart Hydrogel Gratings for Sensitive, Facile, and Rapid Detection of Ethanol Concentration. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17833-17841.	3.7	19
23	Antimicrobial peptide-functionalized magnetic nanoparticles for rapid capture and removal of pathogenic bacteria. <i>Microchemical Journal</i> , 2020, 159, 105493.	4.5	19
24	Simultaneous determination of dopamine, uric acid and estriol in maternal urine samples based on the synergetic effect of reduced graphene oxide, silver nanowires and silver nanoparticles in their ternary 3D nanocomposite. <i>Microchemical Journal</i> , 2020, 158, 105185.	4.5	19
25	Metadata Analysis of mcr-1-Bearing Plasmids Inspired by the Sequencing Evidence for Horizontal Transfer of Antibiotic Resistance Genes Between Polluted River and Wild Birds. <i>Frontiers in Microbiology</i> , 2020, 11, 352.	3.5	18
26	Smart Hydrogel Grating Immunosensors for Highly Selective and Sensitive Detection of Human-IgG. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10469-10475.	3.7	14
27	Imaging of gas-liquid annular flows for underbalanced drilling using electrical resistance tomography. <i>Flow Measurement and Instrumentation</i> , 2015, 46, 319-326.	2.0	13
28	Online conductivity calibration methods for EIT gas/oil in water flow measurement. <i>Flow Measurement and Instrumentation</i> , 2015, 46, 213-217.	2.0	12
29	A Simple Device Based on Smart Hollow Microgels for Facile Detection of Trace Lead(II) Ions. <i>ChemPhysChem</i> , 2018, 19, 2025-2036.	2.1	12
30	Analysis of chaos characteristics of gas-liquid two-phase flow noise. <i>Flow Measurement and Instrumentation</i> , 2019, 65, 98-109.	2.0	12
31	Capsule membranes encapsulated with smart nanogels for facile detection of trace lead(II) ions in water. <i>Journal of Membrane Science</i> , 2020, 613, 118523.	8.2	12
32	Mesoscale regulation of droplet templates to tailor microparticle structures and functions. <i>Particuology</i> , 2020, 48, 74-87.	3.6	10
33	Automated Horizontal Slurry Flow Regime Recognition Using Statistical Analysis of the ERT Signal. <i>Procedia Engineering</i> , 2015, 102, 821-830.	1.2	6
34	Measurement of interphase forces based on dual-modality ERT/DP sensor in horizontal two-phase flow gas-water. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 136, 703-717.	5.0	6
35	Novel Pyrolusite-Templated Biochar as an Outstanding Catalyst for Persulfate Activation: Structural Design, Synergistic Effect, and Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1885-1896.	3.7	6
36	Smart hydrogels with wide visible color tunability. <i>NPG Asia Materials</i> , 2022, 14, .	7.9	6

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37	Visualisation and Metering of Two Phase Counter-gravity Slurry Flow using ERT. <i>Procedia Engineering</i> , 2015, 102, 930-935.	1.2	3
38	Study on measurement model of cross section holdup based on array ultrasonic sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 191, 110830.	5.0	3
39	Electrical resistance tomography-based multi-modality sensor and drift flux model for measurement of oil-gas-water flow. <i>Measurement Science and Technology</i> , 2022, 33, 094006.	2.6	3
40	Dual-modality UDV-PIV system for measurement of solid-liquid flow in sewage facilities. <i>Flow Measurement and Instrumentation</i> , 2021, 82, 102063.	2.0	2
41	Measurement and characterization of slurry flow using Electrical Resistance Tomography. , 2022, , 647-673.		1