

Abdolreza Samimi

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,779
citations

249298

26
h-index

325983

40
g-index

74
all docs

74
docs citations

74
times ranked

2398
citing authors

#	ARTICLE	IF	CITATIONS
1	Forward osmosis dewatering of seawater and pesticide contaminated effluents using the commercial fertilizers and zinc-nitrate blend draw solutions. <i>Science of the Total Environment</i> , 2022, 820, 153376.	3.9	5
2	Fabrication and characterization of conductive polypyrrole/chitosan/collagen electrospun nanofiber scaffold for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 175-186.	3.6	115
3	A novel activated carbon from human hair waste: Synthesis, characterization and utilization thereof as an efficient, reusable Ni (II) adsorbent. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100141.	2.9	5
4	Microalgae biomass dewatering by forward osmosis: Review and critical challenges. <i>Algal Research</i> , 2021, 56, 102323.	2.4	14
5	Experimental evaluation of parameters affecting the coating performance of urea seeds in a prototype bottom external mixing spray two-fluid nozzle fluidized bed granulator. <i>Chemical Engineering Research and Design</i> , 2021, 172, 242-253.	2.7	3
6	A mesoporous melamine/chitosan/activated carbon biocomposite: Preparation, characterization and its application for Ni (II) uptake via ion imprinting. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 126-136.	3.6	5
7	Controllability of the hydrophilic or hydrophobic behavior of the modified polysulfone electrospun nanofiber mats. <i>Polymer Testing</i> , 2021, 93, 106970.	2.3	7
8	Start-up investigation of the self-assembled chitosan/montmorillonite nanocomposite over the ceramic support as a low-cost membrane for microbial fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4804-4820.	3.8	36
9	Comparative Study on the Harvesting of Marine <i>Chlorella vulgaris</i> Microalgae from a Dilute Slurry Using Autoflocculation-Sedimentation and Electrocoagulation-Flotation Methods. <i>International Journal of Environmental Research</i> , 2020, 14, 615-628.	1.1	6
10	Effect of corrugated structure on the collapsing of the small-diameter vascular scaffolds. <i>Journal of Biomaterials Applications</i> , 2020, 34, 1355-1367.	1.2	3
11	Effect of synthesis method on structural and physical properties of MgO/MgAl ₂ O ₄ nanocomposite as a refractory ceramic. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	11
12	Application of halophilic microorganisms in osmotic membrane bioreactor (OMBR) for reduction of volume and organic load of produced water. <i>Journal of Water Process Engineering</i> , 2020, 37, 101422.	2.6	7
13	Fabrication and characterization of a novel compliant small-diameter PET/PU/PCL triad-hybrid vascular graft. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 055004.	1.7	18
14	CFD modeling of an industrial scale two-fluid nozzle fluidized bed granulator. <i>Chemical Engineering Research and Design</i> , 2020, 159, 605-614.	2.7	10
15	Synergistic effect of amino-acids and metal salts as draw solutions to enhance the performance of fertilizer-drawn forward osmosis. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3121-3131.	1.2	5
16	Optimization of calcium alginate beads production by electrospray using response surface methodology. <i>Materials Research Express</i> , 2019, 6, 095412.	0.8	4
17	Preparation and characteristics evaluation of zeolite/activated carbon composite granules, using high shear mixer granulator. <i>Materials Research Express</i> , 2019, 6, 125532.	0.8	0
18	Fabrication of polymeric nanofibrous mats with controllable structure and enhanced wetting behavior using one-step electrospinning. <i>Polymer</i> , 2018, 143, 271-280.	1.8	32

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19	Synthesis and adsorption performance of a modified micro-mesoporous MIL-101(Cr) for VOCs removal at ambient conditions. <i>Chemical Engineering Journal</i> , 2018, 341, 164-174.	6.6	150
20	A novel process for CO ₂ capture from the flue gases to produce urea and ammonia. <i>Energy</i> , 2018, 144, 279-285.	4.5	64
21	Effects of porosity and pore size distribution on mechanical strength reliability of industrial-scale catalyst during preparation and catalytic test steps. <i>Particulate Science and Technology</i> , 2018, 36, 96-103.	1.1	8
22	Forward osmosis water desalination: Fabrication of graphene oxide-polyamide/polysulfone thin-film nanocomposite membrane with high water flux and low reverse salt diffusion. <i>Separation Science and Technology</i> , 2018, 53, 573-583.	1.3	55
23	Application of layer-by-layer assembled chitosan/montmorillonite nanocomposite as oxygen barrier film over the ceramic separator of the microbial fuel cell. <i>Electrochimica Acta</i> , 2018, 283, 234-247.	2.6	39
24	Small-diameter vascular graft using co-electrospun composite PCL/PU nanofibers. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 055014.	1.7	43
25	Engineering of oriented carbon nanotubes in composite materials. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 415-435.	1.5	25
26	Ceramic-based microbial fuel cells (MFCs): A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1672-1690.	3.8	89
27	Characteristic mechanisms controlling the reaction rate for powdered and industrial scale formed Cu/Zn/Mg/Al water gas shift nanocatalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 489-500.	0.8	3
28	Sensitivity analysis and multi-objective optimization of CO ₂ CPU process using response surface methodology. <i>Energy</i> , 2017, 122, 570-578.	4.5	9
29	Interaction between Weibull parameters and mechanical strength reliability of industrial-scale water gas shift catalysts. <i>Particuology</i> , 2017, 32, 160-166.	2.0	10
30	An Experimental-Numerical Investigation on the Effects of Macroporous Scaffold Geometry on Cell Culture Parameters. <i>International Journal of Artificial Organs</i> , 2017, 40, 185-195.	0.7	6
31	Novel one-pot dry method for large-scale production of nano γ -Al ₂ O ₃ from gibbsite under dry conditions. <i>Monatshefte für Chemie</i> , 2016, 147, 1153-1159.	0.9	3
32	Effect of separator electrode assembly (SEA) design and mode of operation on the performance of continuous tubular microbial fuel cells (MFCs). <i>International Journal of Hydrogen Energy</i> , 2016, 41, 597-606.	3.8	32
33	Stability of nanofluids: Molecular dynamic approach and experimental study. <i>Energy Conversion and Management</i> , 2016, 111, 1-14.	4.4	39
34	Synthesis of titania- γ -alumina multilayer nanomembranes on performance-improved alumina supports for wastewater treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 9115-9122.	1.0	17
35	Competition between <i>E. coli</i> and <i>Shewanella sp.</i> for electricity generation in air cathode MFC in presence of methylene blue as artificial mediator. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1097-1105.	1.3	18
36	Experimental and statistical assessments of the mechanical strength reliability of gamma alumina catalyst supports. <i>Particuology</i> , 2015, 21, 74-81.	2.0	32

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37	Kinetics investigation of diversity cultures of E. coli and Shewanella sp., and their combined effect with mediator on MFC performance. Journal of Industrial and Engineering Chemistry, 2015, 25, 42-50.	2.9	21
38	Electrospray preparation of propranolol-loaded alginate beads: Effect of matrix reinforcement on loading and release profile. Journal of Applied Polymer Science, 2015, 132, .	1.3	12
39	Impact of active geomagnetic conditions on stimulated radiation during ionospheric second electron gyroharmonic heating. Journal of Geophysical Research: Space Physics, 2014, 119, 548-565.	0.8	9
40	Ion gyroharmonic structures in stimulated radiation during second electron gyroharmonic heating: 2. Simulations. Journal of Geophysical Research: Space Physics, 2014, 119, 462-478.	0.8	17
41	Effect of support and promoter on the catalytic performance and structural properties of the Fe-Co-Mn catalysts for Fischer-Tropsch synthesis. Journal of Industrial and Engineering Chemistry, 2014, 20, 1313-1323.	2.9	43
42	In Situ Solvothermal Crystallization of TiO ₂ Nanostructure on Alumina Granules for Photocatalytic Wastewater Treatment. Journal of Materials Engineering and Performance, 2014, 23, 92-100.	1.2	11
43	The effects of RF-sputtered TiO ₂ top layer on pore structure of composite ceramic membranes. Surface and Coatings Technology, 2014, 258, 1256-1258.	2.2	4
44	Solar absorptivity of nano-porous anodic alumina (NPAA): effects of structural features. Journal of Porous Materials, 2014, 21, 331-336.	1.3	5
45	Synthesis of alumina granules by high shear mixer granulator: Processing and sintering. Powder Technology, 2013, 237, 32-40.	2.1	15
46	Investigation of Stimulated Electromagnetic Emission SEE during second electron gyro-harmonic heating. , 2013, , .		0
47	Kinetic study of CO hydrogenation on the MgO supported Fe-Co-Mn sol-gel catalyst. Journal of Industrial and Engineering Chemistry, 2013, 19, 1144-1152.	2.9	19
48	Ion gyroharmonic structuring in the stimulated radiation spectrum and optical emissions during electron gyroharmonic heating. Journal of Geophysical Research: Space Physics, 2013, 118, 1270-1287.	0.8	29
49	Ion gyroharmonic structures in stimulated radiation during second electron gyroharmonic heating: 1. Theory. Journal of Geophysical Research: Space Physics, 2013, 118, 502-514.	0.8	26
50	Stimulated Brillouin scatter and stimulated ion Bernstein scatter during electron gyroharmonic heating experiments. Radio Science, 2013, 48, 607-616.	0.8	28
51	First observations of minority ion (H ⁺) structuring in stimulated radiation during second electron gyroharmonic heating experiments. Geophysical Research Letters, 2013, 40, 1479-1483.	1.5	15
52	Mathematical modeling of supercritical fluid extraction of oil from canola and sesame seeds. Brazilian Journal of Chemical Engineering, 2013, 30, 159-166.	0.7	34
53	On ion gyro-harmonic structuring in the stimulated electromagnetic emission spectrum during second electron gyro-harmonic heating. Annales Geophysicae, 2012, 30, 1587-1594.	0.6	14
54	Bovine Serum Albumin-Loaded Chitosan Particles: An Evaluation of Effective Parameters on Fabrication, Characteristics, and in Vitro Release in the Presence of Non-Covalent Interactions. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 1079-1090.	1.8	10

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55	Steady state electric power generation in up-flow microbial fuel cell using the estimated time span method for bacteria growth domestic wastewater. <i>Biomass and Bioenergy</i> , 2012, 45, 65-76.	2.9	29
56	Preparation of alginate and chitosan nanoparticles using a new reverse micellar system. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 99-107.	1.3	54
57	Study pulsating electrospray of non-Newtonian and thixotropic sodium alginate solution. <i>Journal of Electrostatics</i> , 2012, 70, 77-82.	1.0	16
58	10.2478/s11814-009-0220-9. , 2011, 26, 1405.		0
59	Combined method of complex coacervation and electrospray for encapsulate preparation. <i>Journal of Applied Polymer Science</i> , 2010, 117, 322-328.	1.3	5
60	Electrospray modeling of highly viscous and non-Newtonian liquids. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1288-1296.	1.3	14
61	Effect of forming on selectivity and attrition of co-precipitated Co-Mn Fischer-Tropsch catalysts. <i>Powder Technology</i> , 2010, 200, 164-170.	2.1	15
62	CFD Simulation of Solid Hold-Up in Gas-Solid Fluidized Bed at High Gas Velocities. <i>Chemical Product and Process Modeling</i> , 2009, 4, .	0.5	3
63	The effect of ring baffles on the hydrodynamics of a gas-solid bubbling fluidized bed using computational fluid dynamics. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009, 223, 2281-2289.	1.1	9
64	CFD simulation of gas-solid bubbling fluidized bed containing FCC particles. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 1405-1413.	1.2	33
65	Comment on "Dynamic and Control of Fluidized Catalytic Crackers. 1. Modeling of the Current Generation of FCCs". <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7453-7453.	1.8	0
66	Electro-spray of high viscous liquids for producing mono-sized spherical alginate beads. <i>Particuology</i> , 2008, 6, 271-275.	2.0	58
67	Measurement of Charge Transfer due to Single Particle Impact. <i>Particle and Particle Systems Characterization</i> , 2006, 23, 133-137.	1.2	47
68	Characterization of the Dispersion Behavior of Powders in Liquids. <i>Particle and Particle Systems Characterization</i> , 2006, 23, 154-158.	1.2	29
69	Single and bulk compressions of soft granules: Experimental study and DEM evaluation. <i>Chemical Engineering Science</i> , 2005, 60, 3993-4004.	1.9	97
70	Analysis of impact damage of agglomerates: effect of impact angle. <i>Powder Technology</i> , 2004, 143-144, 97-109.	2.1	61
71	Effect of structural characteristics on impact breakage of agglomerates. <i>Powder Technology</i> , 2003, 130, 428-435.	2.1	59
72	Application of sodium bicarbonate as draw solution in forward osmosis desalination: influence of temperature and linear flow velocity. <i>Desalination and Water Treatment</i> , 0, , 1-8.	1.0	4