

Hadi Ghasemi

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

5,667
citations

136740

32
h-index

118652

62
g-index

77
all docs

77
docs citations

77
times ranked

6044
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Chlorella vulgaris</i> supplementation attenuates the progression of liver fibrosis through targeting TGF- β ² -signaling pathway in the CCl ₄ -induced liver fibrosis in rats. <i>Toxin Reviews</i> , 2021, 40, 1347-1355.	1.5	6
2	Ultrathin bismuth oxyiodide nanosheets for photocatalytic ammonia generation from nitrogen and water under visible to near-infrared light. <i>Materials Today Physics</i> , 2021, 16, 100293.	2.9	18
3	The potential of hydrogen hydrate as a future hydrogen storage medium. <i>IScience</i> , 2021, 24, 101907.	1.9	58
4	Making g-C ₃ N ₄ ultra-thin nanosheets active for photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119557.	10.8	121
5	Evaporation in nano/molecular materials. <i>Advances in Colloid and Interface Science</i> , 2021, 290, 102385.	7.0	12
6	Predictive AI platform on thin film evaporation in hierarchical structures. <i>International Journal of Heat and Mass Transfer</i> , 2021, 171, 121116.	2.5	7
7	Scalable inter-diffused zwitterionic polyurethanes for durable antibacterial coatings. <i>Chemical Engineering Journal</i> , 2021, 422, 130085.	6.6	30
8	Freezing of few nanometers water droplets. <i>Nature Communications</i> , 2021, 12, 6973.	5.8	24
9	Networked Zwitterionic Durable Antibacterial Surfaces. <i>ACS Applied Bio Materials</i> , 2020, 3, 911-919.	2.3	25
10	Temperature Discontinuity at an Evaporating Water Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1554-1559.	1.5	23
11	Advanced functional surfaces through controlled damage and instabilities. <i>Materials Horizons</i> , 2020, 7, 366-396.	6.4	20
12	Hydrophilic polymer-based anti-biofouling coatings: Preparation, mechanism, and durability. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102264.	7.0	34
13	Transport Phenomena in Nano/Molecular Confinements. <i>ACS Nano</i> , 2020, 14, 16348-16391.	7.3	55
14	Overexpression of reactive oxygen species modulator 1 is associated with advanced grades of bladder cancer. <i>Molecular Biology Reports</i> , 2020, 47, 6497-6505.	1.0	13
15	Tissue stiffness contributes to YAP activation in bladder cancer patients undergoing transurethral resection. <i>Annals of the New York Academy of Sciences</i> , 2020, 1473, 48-61.	1.8	31
16	On interfacial viscosity in nanochannels. <i>Nanoscale</i> , 2020, 12, 14626-14635.	2.8	12
17	Solar heat localization: concept and emerging applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7035-7065.	5.2	79
18	Surface Tension Nanogates for Controlled Ion Transport. <i>ACS Applied Nano Materials</i> , 2020, 3, 6979-6986.	2.4	5

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19	Stress-localized durable anti-biofouling surfaces. <i>Soft Matter</i> , 2019, 15, 6014-6026.	1.2	11
20	Unprecedented Capillary Evaporative Heat Flux in Nanochannels. , 2019, , .		0
21	Stress-localized durable icephobic surfaces. <i>Materials Horizons</i> , 2019, 6, 758-766.	6.4	128
22	Capture and conversion of carbon dioxide by solar heat localization. <i>Sustainable Energy and Fuels</i> , 2019, 3, 272-279.	2.5	13
23	Flexible GaAs solar cells on roll-to-roll processed epitaxial Ge films on metal foils: a route towards low-cost and high-performance III-V photovoltaics. <i>Energy and Environmental Science</i> , 2019, 12, 756-766.	15.6	35
24	Nanostructured polymer films with metal-like thermal conductivity. <i>Nature Communications</i> , 2019, 10, 1771.	5.8	197
25	Icephobic surfaces: Definition and figures of merit. <i>Advances in Colloid and Interface Science</i> , 2019, 269, 203-218.	7.0	115
26	An in situ method on kinetics of gas hydrates. <i>Review of Scientific Instruments</i> , 2019, 90, 035111.	0.6	1
27	Full Spectrum Solar Thermal Energy Harvesting and Storage by a Molecular and Phase-Change Hybrid Material. <i>Joule</i> , 2019, 3, 3100-3111.	11.7	75
28	Ultrahigh Evaporative Heat Fluxes in Nanoconfined Geometries. <i>Langmuir</i> , 2019, 35, 78-85.	1.6	39
29	10.1063/1.5082333.1. , 2019, , .		0
30	Reply to the Comment by Hamou Sadat et al.. <i>Europhysics Letters</i> , 2018, 123, 54002.	0.7	0
31	Evaporation Mass Flux: A Predictive Model and Experiments. <i>Langmuir</i> , 2018, 34, 11676-11684.	1.6	39
32	Decoupled Hierarchical Structures for Suppression of Leidenfrost Phenomenon. <i>Langmuir</i> , 2017, 33, 2541-2550.	1.6	45
33	Remote Droplet Manipulation on Self-Healing Thermally Activated Magnetic Slippery Surfaces. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700009.	1.9	43
34	Polymorphisms of DNA repair genes <i>XRCC1</i> and <i>LIG4</i> and idiopathic male infertility. <i>Systems Biology in Reproductive Medicine</i> , 2017, 63, 382-390.	1.0	19
35	Surfaces for high heat dissipation with no Leidenfrost limit. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	26
36	Non-isothermal buoyancy-driven exchange flows in inclined pipes. <i>Physics of Fluids</i> , 2017, 29, .	1.6	4

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37	Aerogel-based solar thermal receivers. <i>Nano Energy</i> , 2017, 40, 180-186.	8.2	67
38	A flexible anti-clogging graphite film for scalable solar desalination by heat localization. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15227-15234.	5.2	213
39	Invariant for one-dimensional heat conduction in dielectrics and metals. <i>Europhysics Letters</i> , 2017, 118, 34001.	0.7	0
40	Antiscaling Magnetic Slippery Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21025-21033.	4.0	47
41	10.1063/1.4993775.1. , 2017, , .		0
42	Offspring sex ratio of Iranian dentists. <i>Environmental Health and Preventive Medicine</i> , 2016, 21, 446-449.	1.4	2
43	Rational Micro/Nanostructuring for Thin-Film Evaporation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8742-8750.	1.5	54
44	Magnetic slippery extreme icephobic surfaces. <i>Nature Communications</i> , 2016, 7, 13395.	5.8	223
45	Flexible artificially-networked structure for ambient/high pressure solar steam generation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4700-4705.	5.2	138
46	Dispensing nano-pico droplets of ferrofluids. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	11
47	Thermo-economic analysis of a hybrid solar-binary geothermal power plant. <i>Energy</i> , 2015, 87, 326-335.	4.5	81
48	Volumetric solar heating of nanofluids for direct vapor generation. <i>Nano Energy</i> , 2015, 17, 290-301.	8.2	350
49	Continuous fabrication platform for highly aligned polymer films. <i>Technology</i> , 2014, 02, 189-199.	1.4	21
50	An electrochemical system for efficiently harvesting low-grade heat energy. <i>Nature Communications</i> , 2014, 5, 3942.	5.8	324
51	Charging-free electrochemical system for harvesting low-grade thermal energy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17011-17016.	3.3	206
52	Membrane-Free Battery for Harvesting Low-Grade Thermal Energy. <i>Nano Letters</i> , 2014, 14, 6578-6583.	4.5	149
53	High thermal conductivity ultra-high molecular weight polyethylene (UHMWPE) films. , 2014, , .		11
54	Hybrid solar-geothermal power generation: Optimal retrofitting. <i>Applied Energy</i> , 2014, 131, 158-170.	5.1	100

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55	Solar steam generation by heat localization. <i>Nature Communications</i> , 2014, 5, 4449.	5.8	1,623
56	Titania nanostructured coating for corrosion mitigation of stainless steel. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014, 50, 371-377.	0.3	3
57	Photocathodic protection of 316L stainless steel by coating of anatase nanoparticles. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013, 49, 109-112.	0.3	6
58	Modeling and optimization of a binary geothermal power plant. <i>Energy</i> , 2013, 50, 412-428.	4.5	86
59	Plasmonic materials for energy: From physics to applications. <i>Materials Today</i> , 2013, 16, 375-386.	8.3	304
60	A Hybrid Geothermal-Solar Power System: Optimal Design and Operation. , 2013, , .		1
61	Optimization of binary geothermal power systems. <i>Computer Aided Chemical Engineering</i> , 2013, , 391-396.	0.3	4
62	Knowledge of and Attitudes Toward Preventive Oral Health Care at an Iranian Population. <i>Asian Journal of Epidemiology</i> , 2013, 7, 9-15.	0.5	2
63	Mechanism of Sessile Water Droplet Evaporation: Kapitza Resistance at the Solid-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21311-21319.	1.5	41
64	Employing relay ordering in incremental amplify and forward Relaying technique to improve outage probability. , 2011, , .		2
65	Determinants of Iranian dentists'™ behaviour regarding infection control. <i>International Dental Journal</i> , 2011, 61, 85-89.	1.0	6
66	Comment on "Discussion on a mechanical equilibrium condition of a sessile drop on a smooth solid surface" [J. Chem. Phys. 130, 144106 (2009)]. <i>Journal of Chemical Physics</i> , 2011, 134, 247101.	1.2	0
67	Energy Transport by Thermocapillary Convection during Sessile-Water-Droplet Evaporation. <i>Physical Review Letters</i> , 2010, 105, 136102.	2.9	85
68	Sessile-Water-Droplet Contact Angle: the Effect of Adsorption. , 2010, , .		1
69	Sessile-Water-Droplet Contact Angle Dependence on Adsorption at the Solid-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5088-5100.	1.5	38
70	Roles of preoxidation, Cu ₂ O particles, and interface pores on the strength of eutectically bonded Cu/Al ₂ O ₃ . <i>Materials & Design</i> , 2009, 30, 1098-1102.	5.1	5
71	Preparation of uniform TiO ₂ nanostructure film on 316L stainless steel by sol-gel dip coating. <i>Applied Surface Science</i> , 2009, 255, 8328-8333.	3.1	70
72	Surface Tension of Solids in the Absence of Adsorption. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12632-12634.	1.2	22