

Mohsen Jadidi

List of Publications by Year in descending order

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79
papers

2,194
citations

304743

22
h-index

233421

45
g-index

80
all docs

80
docs citations

80
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Modeling of Cold Spray for Additive Manufacturing. Journal of Thermal Spray Technology, 2020, 29, 38-50.	3.1	17
2	Large eddy simulation of thermal stratification effect on convective and turbulent diffusion fluxes concerning gaseous pollutant dispersion around a high-rise model building. Journal of Building Performance Simulation, 2019, 12, 97-116.	2.0	26
3	Numerical modeling of aerosol deposition process. Surface and Coatings Technology, 2019, 370, 269-287.	4.8	14
4	Experimental and unsteady CFD analyses of the heating process of large size forgings in a gas-fired furnace. Case Studies in Thermal Engineering, 2019, 14, 100428.	5.7	15
5	Experimental study of droplet shedding on laser-patterned substrates. Physics of Fluids, 2019, 31, .	4.0	17
6	Breakup of elliptical liquid jets in gaseous crossflows at low Weber numbers. Journal of Visualization, 2019, 22, 259-271.	1.8	16
7	Optical Control of Plasmonic Hot Carriers in Graphene. ACS Photonics, 2019, 6, 302-307.	6.6	20
8	Think and Act Positive: How to Deal with Conformity and Purpose in Life During Adolescence. International Journal of School Health, 2019, 6, .	0.2	1
9	Investigation in performance of a hybrid under-floor air distribution with improved desk displacement ventilation system in a small office. Applied Thermal Engineering, 2018, 138, 861-872.	6.0	29
10	GENDER DISPARITIES IN SCIENCE? DROPOUT, PRODUCTIVITY, COLLABORATIONS AND SUCCESS OF MALE AND FEMALE COMPUTER SCIENTISTS. International Journal of Modeling, Simulation, and Scientific Computing, 2018, 21, 1750011.	1.4	84
11	Ultra-broadband photodetectors based on epitaxial graphene quantum dots. Nanophotonics, 2018, 7, 735-740.	6.0	28
12	(Don't) Mention the War. , 2018, , .		7
13	Dependency of image quality on acquisition protocol and image processing in chest tomosynthesis—a visual grading study based on clinical data. British Journal of Radiology, 2018, 91, 20170683.	2.2	3
14	An eco-friendly synthesis of 4-aryl-substituted pyrano-fused coumarins as potential pharmacological active heterocycles using molybdenum oxide nanoparticles as an effective and recyclable catalyst. Research on Chemical Intermediates, 2018, 44, 4195-4212.	2.7	21
15	Scale-adaptive simulation of unsteady flow and dispersion around a model building: spectral and POD analyses. Journal of Building Performance Simulation, 2018, 11, 241-260.	2.0	18
16	Numerical Study of Suspension HVOF Spray and Particle Behavior Near Flat and Cylindrical Substrates. Journal of Thermal Spray Technology, 2018, 27, 59-72.	3.1	16
17	Investigation of CVD graphene as-grown on Cu foil using simultaneous scanning tunneling/atomic force microscopy. Beilstein Journal of Nanotechnology, 2018, 9, 2953-2959.	2.8	5
18	A Radio-Inertial Localization and Tracking System with BLE Beacons Prior Maps. , 2018, , .		11

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19	Effects of Ambient Air Relative Humidity and Surface Temperature on Water Droplet Spreading Dynamics. , 2018, , .		3
20	Measurement of Nonlinear Refractive Index of Solids in the Mid-Infrared. , 2018, , .		0
21	Terahertz detection in 2D materials. , 2018, , .		1
22	An Algorithm based on Predicting the Interface in Phase Change Materials. International Journal of Engineering Transactions B: Applications, 2018, 31, .	0.5	1
23	On the trajectory of nonturbulent liquid jets in subsonic crossflows at different density ratios. Theoretical and Applied Mechanics Letters, 2018, 8, 277-283.	2.8	4
24	Narrow plasmon resonances enabled by quasi-freestanding bilayer epitaxial graphene. 2D Materials, 2017, 4, 025034.	4.4	35
25	Flow and contaminant dispersion analysis around a model building using non-linear eddy viscosity model and large eddy simulation. International Journal of Environmental Science and Technology, 2017, 14, 957-972.	3.5	4
26	Terahertz Pump-Probe Study of the Weyl Semimetal TaAs. , 2017, , .		0
27	NUMERICAL SIMULATION OF PRIMARY BREAKUP OF ROUND NONTURBULENT LIQUID JETS IN SHEAR-LADEN GASEOUS CROSSFLOW. Atomization and Sprays, 2017, 27, 227-250.	0.8	10
28	Narrow terahertz plasmon resonance of quasi-freestanding bilayer epitaxial graphene. , 2016, , .		1
29	Tunable Ultrafast Thermal Relaxation in Graphene Measured by Continuous-Wave Photomixing. Physical Review Letters, 2016, 117, 257401.	7.8	16
30	Graphene plasmonics for terahertz photonics. , 2016, , .		0
31	Shear-driven droplet coalescence and rivulet formation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 793-803.	2.1	17
32	Embedded large eddy simulation approach for pollutant dispersion around a model building in atmospheric boundary layer. Environmental Fluid Mechanics, 2016, 16, 575-601.	1.6	16
33	Penetration and breakup of liquid jet in transverse free air jet with application in suspension-solution thermal sprays. Materials and Design, 2016, 110, 425-435.	7.0	13
34	Inflow turbulence generation techniques for large eddy simulation of flow and dispersion around a model building in a turbulent atmospheric boundary layer. Journal of Building Performance Simulation, 2016, 9, 680-698.	2.0	19
35	Nonlinear Terahertz Absorption of Graphene Plasmons. Nano Letters, 2016, 16, 2734-2738.	9.1	77
36	Numerical Modeling of Suspension HVOF Spray. Journal of Thermal Spray Technology, 2016, 25, 451-464.	3.1	41

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37	Dynamic sub-grid scale turbulent Schmidt number approach in large eddy simulation of dispersion around an isolated cubical building. <i>Building Simulation</i> , 2016, 9, 183-200.	5.6	10
38	Terahertz Plasmon Resonances in Graphene-Filled Subwavelength Metallic Apertures. , 2016, , .		0
39	Nonlinear Plasmonic THz Absorption in Graphene Ribbons. , 2016, , .		0
40	The Integration Program of Prevention and Treatments of Substance Use and HIV/AIDS in the Rural Primary Health Care (PHC) System of Iran. <i>International Journal of High Risk Behaviors & Addiction</i> , 2016, 6, .	0.2	1
41	A Three-Dimensional Analysis of the Suspension Plasma Spray Impinging on a Flat Substrate. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 11.	3.1	32
42	Influence of film cooling jet inlet boundary condition on large eddy simulation of model turbine blade leading edge. <i>Progress in Computational Fluid Dynamics</i> , 2015, 15, 214.	0.2	3
43	A Comprehensive Review on Fluid Dynamics and Transport of Suspension/Liquid Droplets and Particles in High-Velocity Oxygen-Fuel (HVOF) Thermal Spray. <i>Coatings</i> , 2015, 5, 576-645.	2.6	54
44	Efficient implementation of masked AES on Side-Channel Attack Standard Evaluation Board. , 2015, , .		5
45	Concurrent Droplet Coalescence and Solidification on Surfaces With Various Wettabilities. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	27
46	Shear driven droplet shedding and coalescence on a superhydrophobic surface. <i>Physics of Fluids</i> , 2015, 27, .	4.0	55
47	Evaluation of a new system for chest tomosynthesis: aspects of image quality of different protocols determined using an anthropomorphic phantom. <i>British Journal of Radiology</i> , 2015, 88, 20150057.	2.2	5
48	Plasmon-Enhanced Terahertz Photodetection in Graphene. <i>Nano Letters</i> , 2015, 15, 4295-4302.	9.1	94
49	Tunable Terahertz Hybrid Metalâ€“Graphene Plasmons. <i>Nano Letters</i> , 2015, 15, 7099-7104.	9.1	135
50	Characterization of Graphene Photothermoelectric Detector via Two-wave Mixing Technique. , 2015, , .		0
51	Carrier dynamics and transient photobleaching in thin layers of black phosphorus. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	77
52	Investigation of various non-linear eddy viscosity turbulence models for simulating flow and pollutant dispersion on and around a cubical model building. <i>Building Simulation</i> , 2015, 8, 149-166.	5.6	17
53	The Efficiency of Solution-Focused Brief Therapy on Adjustment Problems of Female Students in Amol, Iran. <i>International Journal of School Health</i> , 2015, 3, .	0.2	3
54	Iranâ€™s Activities on Prevention, Treatment and Harm Reduction of Drug Abuse. <i>International Journal of High Risk Behaviors & Addiction</i> , 2015, 4, e22863.	0.2	24

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55	The Effect of Methadone-Maintenance Therapy with and Without Interactive Treatment on Improving Emotion-Regulation Strategies and Resilience Among Opiate-Dependent Clients. International Journal of High Risk Behaviors & Addiction, 2015, 4, e23526.	0.2	13
56	Comparison Between Achievement Goal, Perfectionism and Anxiety in High School Male and Female Students. International Journal of School Health, 2015, 2, .	0.2	0
57	Concurrent Droplet Coalescence and Solidification on Surfaces With Various Wettabilities. , 2014, , .		0
58	Characterization of Fast Temporal Photoreponse in a Broadband Graphene Photodetector. , 2014, , .		0
59	Characterization of optical nonlinearities in nanoporous silicon waveguides via pump-probe heterodyning technique. Optics Express, 2014, 22, 17466.	3.4	7
60	Large eddy simulation of dispersion around an isolated cubic building: evaluation of localized dynamic k_{SGS} SGS-equation sub-grid scale model. Environmental Fluid Mechanics, 2014, 14, 565-589.	1.6	16
61	An analysis of wind energy potential and economic evaluation in Zahedan, Iran. Renewable and Sustainable Energy Reviews, 2014, 30, 641-650.	16.4	147
62	Plasmonic Terahertz Waveguide Based on Anisotropically Etched Silicon Substrate. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 454-458.	3.1	12
63	Sensitive room-temperature terahertz detection via the photothermoelectric effect in graphene. Nature Nanotechnology, 2014, 9, 814-819.	31.5	474
64	A Numerical Study of Suspension Injection in Plasma-Spraying Process. Journal of Thermal Spray Technology, 2014, 23, 3-13.	3.1	45
65	Shear Driven Rivulet Dynamics on Surfaces With Various Wettabilities. , 2014, , .		5
66	Anisotropically Etched Silicon Surfaces for Planar Plasmonic Terahertz Guided Wave Devices. , 2014, , .		0
67	Grid resolution assessment in large eddy simulation of dispersion around an isolated cubic building. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 121, 1-15.	3.9	31
68	Terahertz surface plasmon waveguide based on a one-dimensional array of silicon pillars. New Journal of Physics, 2013, 15, 085031.	2.9	66
69	Toxic effects of 50 Hz electromagnetic field on memory consolidation in male and female mice. Toxicology and Industrial Health, 2013, 29, 293-299.	1.4	22
70	Terahertz plasmonic waveguide based on periodically structured silicon surface. , 2013, , .		0
71	Terahertz surface plasmon polaritons on a semiconductor surface structured with periodic V-grooves. Optics Express, 2013, 21, 7041.	3.4	66
72	Predictions of laminar flame in aluminium dust clouds with a cylindrical two-dimensional analytical model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 514-520.	2.1	0

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73	Theoretical Study of High Repetition Rate Short Pulse Generation With Fiber Optical Parametric Amplification. <i>Journal of Lightwave Technology</i> , 2012, 30, 1263-1268.	4.6	20
74	An analytical study of radiation effects on the premixed laminar flames of aluminium dust clouds. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2010, 224, 1679-1695.	2.1	5
75	Predictions of laminar flame in aluminium dust clouds with a two-dimensional analytical model. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering</i> , 2009, 223, 915-925.	1.3	6
76	Mapping the human translation elongation factor eEF1H complex using the yeast two-hybrid system. <i>Biochemical Journal</i> , 2002, 365, 669-676.	3.7	45
77	Application of the yeast two-hybrid system in molecular gerontology. <i>Biogerontology</i> , 2002, 3, 243-256.	3.9	5
78	Shear Driven Droplet Shedding on Surfaces with Various Wettabilities. <i>SAE International Journal of Aerospace</i> , 0, 6, 459-464.	4.0	42
79	SPH Simulation of Rivulet Dynamics on Surfaces with Various Wettabilities. <i>SAE International Journal of Aerospace</i> , 0, 8, 160-173.	4.0	18