Qiang Sun

List of Publications by Year
in descending order

53	849	516710 16	552781 26
papers	citations	h-index	g-index

57	57	57	842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Nonâ€Singular, Fieldâ€Only Surface Integral Method for Interactions between Electric and Magnetic Dipoles and Nanoâ€Structures. Annalen Der Physik, 2022, 534, .	2.4	8
2	Analysis of BBM solitary wave interactions using the conserved quantities. Chaos, Solitons and Fractals, 2022, 155, 111725.	5.1	9
3	Analytical solution for a vibrating rigid sphere with an elastic shell in an infinite linear elastic medium. International Journal of Solids and Structures, 2022, 239-240, 111448.	2.7	3
4	A simple and highly efficient composite based on g-C₃N₄for super rapid removal of multiple organic dyes from water under sunlight. Catalysis Science and Technology, 2022, 12, 786-798.	4.1	9
5	Contributions of Different Seaâ€Level Processes to Highâ€Tide Flooding Along the U.S. Coastline. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	16
6	A clustering-based approach to ocean modelâ€“data comparison around Antarctica. Ocean Science, 2021, 17, 131-145.	3.4	5
7	Optical Forces and Torques on Eccentric Nanoscale Coreâ€“Shell Particles. ACS Photonics, 2021, 8, 1103-1111.	6.6	11
8	Preferential coupling of diamond NV centres in step-index fibres. Optics Express, 2021, 29, 14425.	3.4	5
9	Hierarchical microstructure constructed with graphitic carbon-coated Ni₃S₂ nanoparticles anchored on N-doped mesoporous carbon nanoflakes for optimized sodium storage. Nanoscale, 2021, 13, 18734-18740.	5.6	7
10	Carbene Ligand-Doped Fe2O3 Composite for Rapid Removal of Multiple Dyes under Sunlight. Sustainability, 2021, 13, 12669.	3.2	2
11	Applying a Chemical Structure Teaching Method in the Pharmaceutical Analysis Curriculum to Improve Student Engagement and Learning. Journal of Chemical Education, 2020, 97, 421-426.	2.3	8
12	Interactions of multiple three-dimensional nonlinear high frequency magnetosonic waves in magnetized plasma. Physics of Fluids, 2020, 32, .	4.0	6
13	Design, synthesis and application of new iron-based cockscomb-like photocatalyst for high effectively degrading water contaminant under sunlight. Applied Surface Science, 2020, 525, 146559.	6.1	11
14	Stagnation Flow of a SWCNT Nanofluid towards a Plane Surface with Heterogeneous-Homogeneous Reactions. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	5
15	Green electro-synthesis of Li2Fe3O5 microcrystals as high performance anode material for lithium-ion batteries. Journal of Electroanalytical Chemistry, 2020, 863, 114061.	3.8	10
16	Engineering of three-dimensional nanohybrids: Co9S8 nanocrystal coated hollow carbon nanosphere for advanced lithium storage. Applied Surface Science, 2020, 514, 146092.	6.1	27
17	Effect of Bulk Viscosity and Emulsion Droplet Size on the Separation Efficiency of Model Mineral Oil-in-Water (O/W) Emulsions under Ultrasonic Standing Wave Fields: A Theoretical and Experimental Investigation. Industrial & Engineering Chemistry Research, 2020, 59, 7901-7912.	3.7	13
18	Field-only surface integral equations: scattering from a dielectric body. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 284.	1.5	21

#	Article	IF	Citations
19	Field-only surface integral equations: scattering from a perfect electric conductor. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 276.	1.5	21
20	Analytical solution for an acoustic boundary layer around an oscillating rigid sphere. Physics of Fluids, 2020, 32, 126105.	4.0	5
21	Assessing the Skill of the Improved Treatment of Riverine Freshwater in the Community Earth System Model (CESM) Relative to a New Salinity Climatology. Journal of Advances in Modeling Earth Systems, 2019, 11, 1189-1206.	3.8	10
22	A highly efficient porous rod-like Ce-doped ZnO photocatalyst for the degradation of dye contaminants in water. Beilstein Journal of Nanotechnology, 2019, 10, 1157-1165.	2.8	34
23	Ricocheting Droplets Moving on Superâ€Repellent Surfaces. Advanced Science, 2019, 6, 1901846.	11.2	20
24	Generalized Hybrid Nanofluid Model with the Application of Fully Developed Mixed Convection Flow in a Vertical Microchannel*. Communications in Theoretical Physics, 2019, 71, 903.	2.5	20
25	Eliminating the fictitious frequency problem in BEM solutions of the external Helmholtz equation. Engineering Analysis With Boundary Elements, 2019, 109, 106-116.	3.7	7
26	Modeling heat transfer of nanofluid flow in microchannels with electrokinetic and slippery effects using Buongiornoâ€™s model. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2566-2587.	2.8	6
27	Helmholtz Decomposition and Boundary Element Method Applied to Dynamic Linear Elastic Problems. Journal of Elasticity, 2019, 137, 83-100.	1.9	9
28	Reactive molten salt synthesis of natural graphite flakes decorated with SnO2 nanorods as high performance, low cost anode material for lithium ion batteries. Journal of Alloys and Compounds, 2019, 792, 1213-1222.	5.5	33
29	Free convection of a hybrid nanofluid past a vertical plate embedded in a porous medium with anisotropic permeability. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 4083-4101.	2.8	12
30	Low Temperature Synthesis of Mesoporous SiC in Dual-Confined Spaces via Magnesiothermic Reduction. Nano, 2019, 14, 1950115.	1.0	2
31	How deep are your centres? Probing the distance of nitrogen vacancy centres from the surface of nanodiamonds. , 2019, , .		0
32	A simple and robust surface integral method to model light and matter interactions. , 2019, , .		0
33	Detailed, real-time characterization of particle deposition during crossflow filtration as influenced by solution properties. Journal of Membrane Science, 2018, 555, 115-124.	8.2	10
34	Engineering Iron-Based Nanoparticles Spatially Dispersed on Mesoporous Carbon and Its Catalytic Activity for the Direct Oxidization of Benzene to Phenol. Nano, 2018, 13, 1850094.	1.0	2
35	Analysis of Mixed Convection in a Vertical Channel in the Presence of Electrical Double Layers. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 741-751.	1.5	10
36	Simple field enhancement formulation for gold bipyramids for application in two-photon luminescence and scattering. , 2018, , .		0

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37	Nonsingular Field-Only Surface Integral Equations for Electromagnetic Scattering. IEEE Transactions on Antennas and Propagation, 2017, 65, 972-977.	5.1	28
38	Robust multiscale field-only formulation of electromagnetic scattering. Physical Review B, 2017, 95, .	3.2	23
39	A box model for representing estuarine physical processes in Earth system models. Ocean Modelling, 2017, 112, 139-153.	2.4	24
40	Field-only integral equation method for time domain scattering of electromagnetic pulses. Applied Optics, 2017, 56, 9377.	1.8	10
41	A robust and accurate formulation of molecular and colloidal electrostatics. Journal of Chemical Physics, 2016, 145, 054106.	3.0	8
42	Three-dimensional free bio-convection of nanofluid near stagnation point on general curved isothermal surface. Applied Mathematics and Mechanics (English Edition), 2016, 37, 417-432.	3.6	10
43	Three-dimensional stagnation flow of a nanofluid containing both nanoparticles and microorganisms on a moving surface with anisotropic slip. Applied Mathematical Modelling, 2016, 40, 4136-4150.	4.2	34
44	Boundary regularized integral equation formulation of the Helmholtz equation in acoustics. Royal Society Open Science, 2015, 2, 140520.	2.4	28
45	Mixed convection in gravity-driven nano-liquid film containing both nanoparticles and gyrotactic microorganisms. Applied Mathematics and Mechanics (English Edition), 2015, 36, 163-178.	3.6	52
46	A robust and non-singular formulation of the boundary integral method for the potential problem. Engineering Analysis With Boundary Elements, 2014, 43, 117-123.	3.7	25
47	Coupled finite difference and boundary element methods for fluid flow through a vessel with multibranches in tumours. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 309-331.	2.1	7
48	Stokesian dynamics of pill-shaped Janus particles with stick and slip boundary conditions. Physical Review E, 2013, 87, 043009.	2.1	16
49	Free convection in a tilted triangle porous cavity filled with Cu-water nanofluid with flush mounted heater on the wall. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 24, 2-20.	2.8	16
50	Non-singular boundary integral methods for fluid mechanics applications. Journal of Fluid Mechanics, 2012, 696, 468-478.	3.4	42
51	Non-Singular Boundary Integral Method and Its Applications to Oscillating Bubbles. , 2012, , .		0
52	Free convection in a triangle cavity filled with a porous medium saturated with nanofluids with flush mounted heater on the wall. International Journal of Thermal Sciences, 2011, 50, 2141-2153.	4.9	134
53	Solving the Kleinâ€“Gordon equation by means of the homotopy analysis method. Applied Mathematics and Computation, 2005, 169, 355-365.	2.2	15