

# Elaheh Goharshadi

## List of Publications by Year in descending order

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150  
papers

5,777  
citations

76294

40  
h-index

95218

68  
g-index

153  
all docs

153  
docs citations

153  
times ranked

6398  
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO nanofluids: Green synthesis, characterization, and antibacterial activity. <i>Materials Chemistry and Physics</i> , 2010, 121, 198-201.	2.0	318
2	Enhancing Efficiency of Perovskite Solar Cells via Na-doped Graphene: Crystal Modification and Surface Passivation. <i>Advanced Materials</i> , 2016, 28, 8681-8686.	11.1	281
3	Fabrication of cerium oxide nanoparticles: Characterization and optical properties. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 473-480.	5.0	277
4	Fabrication, characterization and measurement of thermal conductivity of Fe <sub>3</sub> O <sub>4</sub> nanofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3895-3901.	1.0	267
5	Fabrication, characterization, and measurement of some physicochemical properties of ZnO nanofluids. <i>International Journal of Heat and Fluid Flow</i> , 2010, 31, 599-605.	1.1	148
6	Electrical conductivity, thermal conductivity, and rheological properties of graphene oxide-based nanofluids. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	140
7	Highly efficient photocatalytic and photoelectrocatalytic activity of solar light driven WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite. <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 484-493.	3.0	137
8	Preparation, characterization, and rheological properties of graphene-glycerol nanofluids. <i>Chemical Engineering Journal</i> , 2013, 231, 365-372.	6.6	127
9	Fabrication of nanospinel ZnCr <sub>2</sub> O <sub>4</sub> using sol-gel method and its application on removal of azo dye from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010, 184, 684-689.	6.5	120
10	Ultrasound-assisted green synthesis of nanocrystalline ZnO in the ionic liquid [hmim][NTf <sub>2</sub> ]. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 120-123.	3.8	107
11	Fabrication, characterization, and measurement of viscosity of Fe <sub>3</sub> O <sub>4</sub> -glycerol nanofluids. <i>Journal of Molecular Liquids</i> , 2011, 163, 27-32.	2.3	99
12	Volume fraction and temperature variations of the effective thermal conductivity of nanodiamond fluids in deionized water. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 3186-3192.	2.5	92
13	An environmentally friendly superhydrophobic modified polyurethane sponge by seashell for the efficient oil/water separation. <i>Chemical Engineering Research and Design</i> , 2020, 139, 297-304.	2.7	88
14	Flame retardant, superhydrophobic, and superoleophilic reduced graphene oxide/orthoaminophenol polyurethane sponge for efficient oil/water separation. <i>Journal of Molecular Liquids</i> , 2020, 307, 112979.	2.3	86
15	Sustainable and superhydrophobic cellulose nanocrystal-based aerogel derived from waste tissue paper as a sorbent for efficient oil/water separation. <i>Chemical Engineering Research and Design</i> , 2021, 154, 155-167.	2.7	86
16	Magnetically driven superhydrophobic/superoleophilic graphene-based polyurethane sponge for highly efficient oil/water separation and demulsification. <i>Separation and Purification Technology</i> , 2021, 274, 118931.	3.9	80
17	Kinetics and mechanism of antibacterial activity and cytotoxicity of Ag-RGO nanocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 366-374.	2.5	77
18	TiO <sub>2</sub> nanoparticles and TiO <sub>2</sub> @graphene quantum dots nanocomposites as effective visible/solar light photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 357, 90-102.	2.0	70

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19	Photocatalytic oxidative desulfurization of dibenzothiophene by C/TiO <sub>2</sub> @MCM-41 nanoparticles under visible light and mild conditions. <i>RSC Advances</i> , 2015, 5, 34652-34662.	1.7	69
20	Photostability and visible-light-driven photoactivity enhancement of hierarchical ZnS nanoparticles: The role of embedment of stable defect sites on the catalyst surface with the assistant of ultrasonic waves. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 78-89.	3.8	69
21	Enhanced solar desalination by delignified wood coated with bimetallic Fe/Pd nanoparticles. <i>Desalination</i> , 2020, 493, 114657.	4.0	66
22	Clean water production by non-noble metal/reduced graphene oxide nanocomposite coated on wood: Scalable interfacial solar steam generation and heavy metal sorption. <i>Solar Energy</i> , 2021, 224, 440-454.	2.9	65
23	New regularities and an equation of state for liquids. <i>Fluid Phase Equilibria</i> , 2005, 230, 170-175.	1.4	64
24	Highly efficient clean water production: Reduced graphene oxide/ graphitic carbon nitride/wood. <i>Separation and Purification Technology</i> , 2021, 279, 119788.	3.9	62
25	Effect of calcination temperature on structural, vibrational, optical, and rheological properties of zirconia nanoparticles. <i>Ceramics International</i> , 2012, 38, 1771-1777.	2.3	59
26	Effects of different precursors on size and optical properties of ceria nanoparticles prepared by microwave-assisted method. <i>Materials Research Bulletin</i> , 2012, 47, 1089-1095.	2.7	59
27	Synergistic effect of graphene nanosheets and zinc oxide nanoparticles for effective adsorption of Ni (II) ions from aqueous solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	59
28	Sonochemical synthesis and measurement of optical properties of zinc sulfide quantum dots. <i>Chemical Engineering Journal</i> , 2012, 209, 113-117.	6.6	58
29	Surfactant-mediated prepared VO <sub>2</sub> (M) nanoparticles for efficient solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2020, 211, 110515.	3.0	57
30	Highly efficient solar desalination and wastewater treatment by economical wood-based double-layer photoabsorbers. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 334-347.	2.9	57
31	Sono-synthesis of biodiesel from soybean oil by KF/Al <sub>2</sub> O <sub>3</sub> as a nano-solid-base catalyst. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 266-274.	3.8	52
32	3-D mesoporous nitrogen-doped reduced graphene oxide as an efficient metal-free electrocatalyst for oxygen reduction reaction in alkaline fuel cells: Role of ĩ€ and lone pair electrons. <i>Electrochimica Acta</i> , 2016, 222, 608-618.	2.6	52
33	Reduced graphene oxide/silver/wood as a salt-resistant photoabsorber in solar steam generation and a strong antibacterial agent. <i>Materials Chemistry and Physics</i> , 2022, 275, 125258.	2.0	52
34	Photocatalytic degradation of reactive black 5 azo dye by zinc sulfide quantum dots prepared by a sonochemical method. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1109-1116.	1.9	51
35	Adsorption of hexavalent chromium ions from aqueous solution by graphene nanosheets: kinetic and thermodynamic studies. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2153-2160.	1.8	50
36	ZnS@ reduced graphene oxide nanocomposite as an effective sunlight driven photocatalyst for degradation of reactive black 5: A mechanistic approach. <i>Separation and Purification Technology</i> , 2018, 202, 326-334.	3.9	50

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37	Silver colloid nanoparticles: Ultrasound-assisted synthesis, electrical and rheological properties. Powder Technology, 2013, 237, 97-101.	2.1	45
38	Highly efficient plasmonic wood/Ag/Pd photoabsorber in interfacial solar steam generation. Materials Research Bulletin, 2022, 154, 111916.	2.7	45
39	An accurate expression for radial distribution function of the Lennard-Jones fluid. Chemical Physics, 2005, 310, 11-15.	0.9	44
40	Highly monodispersed hematite cubes for removal of ionic dyes. Journal of Environmental Chemical Engineering, 2017, 5, 1096-1106.	3.3	44
41	Transport properties of graphene quantum dots in glycerol and distilled water. Journal of Molecular Liquids, 2017, 241, 831-838.	2.3	44
42	Thermodynamic properties of some ionic liquids using a simple equation of state. Journal of Molecular Liquids, 2008, 142, 41-44.	2.3	41
43	Synthesis, characterization, and measurement of structural, optical, and photoluminescent properties of zinc sulfide quantum dots. Materials Science in Semiconductor Processing, 2013, 16, 356-362.	1.9	40
44	Hydrogen storage on silicon, carbon, and silicon carbide nanotubes: A combined quantum mechanics and grand canonical Monte Carlo simulation study. International Journal of Hydrogen Energy, 2014, 39, 1719-1731.	3.8	40
45	Z-scheme design of Ag@g-C <sub>3</sub> N <sub>4</sub> /ZnS photoanode device for efficient solar water oxidation: An organic-inorganic electronic interface. International Journal of Hydrogen Energy, 2019, 44, 13085-13097.	3.8	40
46	Efficient Photoelectrocatalytic Water Oxidation by Palladium Doped g-C <sub>3</sub> N <sub>4</sub> Electrodeposited Thin Film. Journal of Physical Chemistry C, 2019, 123, 26106-26115.	1.5	39
47	Improving antibacterial activity of phosphomolybdic acid using graphene. Materials Chemistry and Physics, 2017, 188, 58-67.	2.0	37
48	Green synthesis of ZnO nanoparticles in a room-temperature ionic liquid 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. Journal of Physics and Chemistry of Solids, 2008, 69, 2057-2060.	1.9	35
49	Photoelectrochemical water splitting by engineered multilayer TiO <sub>2</sub> /GQDs photoanode with cascade charge transfer structure. International Journal of Hydrogen Energy, 2020, 45, 123-134.	3.8	35
50	Thermal conductivity and heat transport properties of graphene nanoribbons. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	34
51	ZnS nanospheres/reduced graphene oxide photoanode for highly efficient solar water oxidation. Solar Energy, 2018, 161, 226-234.	2.9	34
52	Graphitic carbon nitride embedded hydrogels for enhanced gel electrophoresis. Analytica Chimica Acta, 2015, 887, 245-252.	2.6	33
53	Thermal conductivity and heat transport properties of nitrogen-doped graphene. Journal of Molecular Graphics and Modelling, 2015, 62, 74-80.	1.3	33
54	Estimation of solubility parameter using equations of state. Journal of Molecular Liquids, 2004, 113, 125-132.	2.3	32

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55	Graphene nanosheets as efficient adsorbent for an azo dye removal: kinetic and thermodynamic studies. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	32
56	Investigation of graphene oxide nanosheets dispersion in water based on solubility parameters: a molecular dynamics simulation study. <i>RSC Advances</i> , 2015, 5, 106421-106430.	1.7	32
57	Insights on the superior performance of nanostructured nitrogen-doped reduced graphene oxide in comparison with commercial Pt/C as cathode electrocatalyst layer of passive direct methanol fuel cell. <i>Electrochimica Acta</i> , 2019, 306, 220-228.	2.6	32
58	Hydrogen storage on graphitic carbon nitride and its palladium nanocomposites: A multiscale computational approach. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8325-8340.	3.8	32
59	Porous perovskite-lanthanum cobaltite as an efficient cocatalyst in photoelectrocatalytic water oxidation by bismuth doped g-C <sub>3</sub> N <sub>4</sub> . <i>Solar Energy</i> , 2021, 227, 426-437.	2.9	31
60	Molecular Dynamics Simulation of Argon, Krypton, and Xenon Using Two-Body and Three-Body Intermolecular Potentials. <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 920-926.	2.3	30
61	Solar Mineralization of Hardâ€Degradable Amphetamine Using TiO <sub>2</sub> /RGO Nanocomposite. <i>ChemistrySelect</i> , 2019, 4, 14175-14183.	0.7	30
62	Crystallinity Behavior of MDPE-Clay Nanocomposites Fabricated using Ball Milling Method. <i>Journal of Composite Materials</i> , 2009, 43, 2821-2830.	1.2	28
63	Highly efficient solar photocatalytic degradation of a textile dye by TiO <sub>2</sub> /graphene quantum dots nanocomposite. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 87-99.	1.6	28
64	Particle shape effects on some of the transport properties of tungsten oxide nanofluids. <i>Journal of Molecular Liquids</i> , 2016, 223, 828-835.	2.3	27
65	Ceria nanoparticles as an efficient catalyst for oxidation of benzylic CH bonds. <i>Journal of Molecular Catalysis A</i> , 2012, 357, 67-72.	4.8	26
66	Structural, electrical, and rheological properties of palladium/silver bimetallic nanoparticles prepared by conventional and ultrasonic-assisted reduction methods. <i>Advanced Powder Technology</i> , 2014, 25, 801-810.	2.0	26
67	A new equation of state for predicting the thermodynamic properties of liquid alkali metals. <i>Journal of Nuclear Materials</i> , 2006, 348, 40-44.	1.3	25
68	Rheological properties of the nanofluids of tungsten oxide nanoparticles in ethylene glycol and glycerol. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 1191-1202.	1.0	25
69	Thermo-mechanical properties of boron nitride nanoribbons: A molecular dynamics simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 68, 1-13.	1.3	25
70	Copperâ€Azolate Framework Coated on g-C <sub>3</sub> N <sub>4</sub> Nanosheets as a Coreâ€Shell Heterojunction and Decorated with a Ni(OH) <sub>2</sub> Cocatalyst for Efficient Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8327-8336.	1.5	25
71	Highly Efficient Solarâ€Catalytic Degradation of Reactive Black 5 Dye Using Mesoporous Plasmonic Ag/gâ€C <sub>3</sub> N <sub>4</sub> Nanocomposites. <i>ChemistrySelect</i> , 2020, 5, 2735-2745.	0.7	23
72	Decoration of graphene oxide as a cocatalyst on Bi doped g-C <sub>3</sub> N <sub>4</sub> photoanode for efficient solar water splitting. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115933.	1.9	23

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73	The use of nanotechnology in the fight against viruses: A critical review. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214559.	9.5	23
74	Prediction of thermodynamic properties of some hydrofluoroether refrigerants using a new equation of state. <i>Fluid Phase Equilibria</i> , 2005, 238, 112-119.	1.4	22
75	Thermodynamic properties of the mixtures of some ionic liquids with alcohols using a simple equation of state. <i>Journal of Molecular Liquids</i> , 2009, 149, 66-73.	2.3	22
76	Computation of some thermodynamics, transport, structural properties, and new equation of state for fluid neon using a new intermolecular potential from molecular dynamics simulation. <i>Theoretical Chemistry Accounts</i> , 2010, 127, 573-585.	0.5	22
77	Preparation, structural characterization, semiconductor and photoluminescent properties of zinc oxide nanoparticles in a phosphonium-based ionic liquid. <i>Materials Science in Semiconductor Processing</i> , 2011, 14, 69-72.	1.9	22
78	Multifunctional fluorescent titania nanoparticles: green preparation and applications as antibacterial and cancer theranostic agents. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 248-259.	1.9	22
79	Prediction of the volumetric and thermodynamic properties of some refrigerants using GMA equation of state. <i>International Journal of Refrigeration</i> , 2007, 30, 377-383.	1.8	20
80	Quantum computation of the properties of helium using two-body and three-body intermolecular potentials: a molecular dynamics study. <i>Theoretical Chemistry Accounts</i> , 2008, 119, 355-368.	0.5	20
81	Structural and transport properties and solubility parameter of graphene/glycerol nanofluids: A molecular dynamics simulation study. <i>Journal of Molecular Liquids</i> , 2016, 222, 82-87.	2.3	20
82	Seawater desalination using pillared graphene as a novel nano-membrane in reverse osmosis process: nonequilibrium MD simulation study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22241-22248.	1.3	20
83	Graphitic carbon nitride nanosheets prepared by electrophoretic size fractionation as an anticancer agent against human bone carcinoma. <i>Materials Science and Engineering C</i> , 2020, 111, 110803.	3.8	20
84	Extraction of cellulose nanocrystals and fabrication of high alumina refractory bricks using pencil chips as a waste biomass source. <i>Ceramics International</i> , 2021, 47, 27042-27049.	2.3	20
85	Antibacterial activity of Ag nanoparticles/phosphomolybdate/reduced graphene oxide nanocomposite: Kinetics and mechanism insights. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114709.	1.7	19
86	Alkaline earth metals doped VO <sub>2</sub> nanoparticles for enhanced interfacial solar steam generation. <i>Materials Research Bulletin</i> , 2022, 149, 111705.	2.7	19
87	Extension of a New Equation of State to the Liquid Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 6973-6980.	1.8	18
88	Preparation of nanospinel NiMn <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> using sol-gel method and their applications on removal of azo dye from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2011, 130, 1156-1161.	2.0	18
89	Improvement of heat dissipation in agarose gel electrophoresis by metal oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 88655-88665.	1.7	18
90	Successful degradation of Reactive Black 5 by engineered Fe/Pd nanoparticles: Mechanism and kinetics aspects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 406-417.	2.7	18

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91	Neglected antibacterial activity of ethylene glycol as a common solvent. <i>Microbial Pathogenesis</i> , 2017, 107, 457-461.	1.3	18
92	Gradual growth of gold nanoseeds on silica for SiO <sub>2</sub> @gold homogeneous nano core/shell applications by the chemical reduction method. <i>Physica Scripta</i> , 2013, 87, 025802.	1.2	17
93	Glycerol revisited molecular dynamic simulations of structural, dynamical, and thermodynamic properties. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1-7.	1.2	17
94	Vanadium dioxide nanoparticles as a promising sorbent for controlled removal of waterborne fluoroquinolone ciprofloxacin. <i>Materials Chemistry and Physics</i> , 2021, 259, 123993.	2.0	17
95	Vanadium oxide nanoparticles for methylene blue water remediation: Exploring the effect of physicochemical parameters by process modeling. <i>Journal of Molecular Liquids</i> , 2020, 318, 114046.	2.3	16
96	Multicomponent gas separation and purification using advanced 2D carbonaceous nanomaterials. <i>RSC Advances</i> , 2020, 10, 24255-24264.	1.7	16
97	Computation of internal pressure of liquids using a statistical mechanical equation of state. <i>Fluid Phase Equilibria</i> , 2001, 187-188, 425-431.	1.4	15
98	Application of a new equation of state to liquid refrigerant mixtures. <i>Thermochimica Acta</i> , 2006, 447, 64-68.	1.2	15
99	A molecular dynamics study on the role of attractive and repulsive forces in internal energy, internal pressure and structure of dense fluids. <i>Chemical Physics</i> , 2007, 331, 332-338.	0.9	15
100	Engineering of a high-efficiency water splitting photoanode by synergistic effects of doping, compositing, and coupling on TiO <sub>2</sub> nanoparticles. <i>Electrochimica Acta</i> , 2020, 362, 137149.	2.6	15
101	Parameter optimization of tetracycline removal by vanadium oxide nano cuboids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 619, 126460.	2.3	15
102	Determination of potential energy functions of CO <sub>2</sub> –CO, CO <sub>2</sub> –CO <sub>2</sub> , and N <sub>2</sub> O–N <sub>2</sub> O and calculation of their transport properties. <i>Chemical Physics</i> , 2006, 330, 313-325.	0.9	14
103	Electrical conductivity of water-based palladium nanofluids. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 667-672.	1.0	14
104	Electrophoretic size fractionation of graphene oxide nanosheets. <i>New Journal of Chemistry</i> , 2019, 43, 5047-5054.	1.4	14
105	Interfacial solar steam generation by sawdust coated with W doped VO <sub>2</sub> . <i>Energy</i> , 2022, 244, 123146.	4.5	14
106	Calculation of thermodynamic properties of lubricant+refrigerant mixtures using GMA equation of state. <i>International Journal of Thermal Sciences</i> , 2007, 46, 944-952.	2.6	13
107	Carbodiimide for Covalent Immobilization onto Magnetic Nanoparticles. <i>International Journal of Nanoscience</i> , 2017, 16, 1750015.	0.4	13
108	Determination of potential energy function of methane via the inversion of reduced viscosity collision integrals at zero pressure. <i>Fluid Phase Equilibria</i> , 2003, 212, 53-65.	1.4	12

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109	Determination of potential energy functions of argon, krypton, and xenon via the inversion of reduced-viscosity collision integrals at zero pressure. <i>Canadian Journal of Chemistry</i> , 2003, 81, 866-871.	0.6	12
110	Investigation of Volumetric Properties of Some Glycol Ethers Using a Simple Equation of State. <i>International Journal of Thermophysics</i> , 2006, 27, 1515-1526.	1.0	12
111	Determination of potential energy functions and calculation transport properties of oxygen and nitric oxide via the inversion of reduced viscosity collision integrals at zero pressure. <i>Chemical Physics</i> , 2006, 326, 620-630.	0.9	12
112	Natural gas storage on silicon, carbon, and silicon carbide nanotubes: a combined quantum mechanics and grand canonical Monte Carlo simulation study. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	12
113	Embedded ceria nanoparticles in gel improve electrophoretic separation: a preliminary demonstration. <i>Analyst, The</i> , 2015, 140, 4434-4444.	1.7	12
114	Molecular dynamic simulations of some thermodynamic properties of mixtures of argon with neon, krypton, and xenon using two-body and three-body interaction potentials. <i>Fluid Phase Equilibria</i> , 2008, 274, 51-58.	1.4	11
115	Ag, Au, Pt, and Au-Pt nanoclusters in [N1114][C1SO3] ionic liquid: A molecular dynamics study. <i>Journal of Molecular Liquids</i> , 2022, 360, 119447.	2.3	11
116	Prediction of thermodynamic properties of polymeric liquids using a new equation of state. <i>Polymer</i> , 2006, 47, 4726-4733.	1.8	10
117	Influence of preparation methods of microwave, sol-gel, and hydrothermal on structural and optical properties of lanthania nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 65-72.	1.2	10
118	Heat dissipation in slab gel electrophoresis: The effect of embedded TiO <sub>2</sub> nanoparticles on the thermal profiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1118-1119, 63-69.	1.2	10
119	Enhanced electrophoretic separation of proteins by tethered SiO <sub>2</sub> nanoparticles in an SDS-polyacrylamide gel network. <i>Analyst, The</i> , 2020, 145, 415-423.	1.7	10
120	Direct Determination of the Interaction Potentials of Ar-Xe, Kr-Xe, and Ar-Kr from the Extended Principle of Corresponding States. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 2403-2406.	2.0	9
121	Direct Determination of the Intermolecular Pair-Potential Energy Function of Methane from the Extended Principal of the Corresponding States. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 1859-1861.	2.0	9
122	Determination of the Potential Energy Function of CF <sub>4</sub> via the Inversion of Reduced Viscosity Collision Integrals at Zero Pressure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 2256-2261.	1.8	9
123	Evaluation of high-frequency elastic moduli and shear relaxation time of the Lennard-Jones fluid using three known analytical expressions for radial distribution function. <i>Chemical Physics</i> , 2006, 322, 377-381.	0.9	9
124	Density calculation using GMA equation of state considering mixing and combining rules for some liquid mixtures. <i>Fluid Phase Equilibria</i> , 2006, 245, 109-116.	1.4	9
125	Study of the morphology and granulometry of polyethylene-clay nanocomposite powders. <i>Journal of Vinyl and Additive Technology</i> , 2010, 16, 90-97.	1.8	9
126	Non-isothermal crystallization kinetics of polyethylene-clay nanocomposites prepared by high-energy ball milling. <i>Bulletin of Materials Science</i> , 2014, 37, 1113-1121.	0.8	9



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127	Coupling electrocoagulation and solar photocatalysis for electro- and photo-catalytic removal of carmoisine by Ag/graphitic carbon nitride: Optimization by process modeling and kinetic studies. <i>Journal of Molecular Liquids</i> , 2021, 340, 116917.	2.3	9
128	Validity of some regularities of dense fluids for ionic liquids. <i>Journal of Molecular Liquids</i> , 2010, 151, 117-121.	2.3	8
129	The use of nanofluids in solar desalination of saline water resources as antibacterial agents. , 2022, , 265-301.		8
130	Title is missing!. <i>International Journal of Thermophysics</i> , 1998, 19, 227-237.	1.0	7
131	Prediction of surface tension of HFD-like fluids using the Fowler's approximation. <i>Chemical Physics</i> , 2006, 328, 379-384.	0.9	7
132	An Efficient Method for Chemoselective Reduction of Nitro Compounds Using Bimetallic Fe-Ni NPs/H <sub>3</sub> PWO <sub>4</sub> .H <sub>2</sub> O System. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 1108-1114.	0.8	7
133	Graphene oxide nanosheets synthesized by ultrasound: Experiment versus MD simulation. <i>Applied Surface Science</i> , 2018, 451, 112-120.	3.1	7
134	Nanometer-sized cerium oxide particles for solid phase extraction of trace amounts of mercury in real samples prior to cold vapor atomic adsorption spectrometry. <i>Separation Science and Technology</i> , 2017, 52, 1652-1659.	1.3	6
135	Common intersection point independent of temperature for compressed liquid mixtures. <i>Thermochimica Acta</i> , 1995, 269-270, 371-379.	1.2	5
136	Common intersection point independent of mole fraction: A new regularity. <i>International Journal of Thermophysics</i> , 1997, 18, 1517-1526.	1.0	5
137	Common intersection point independent of pressure, a new regularity. <i>Journal of Molecular Liquids</i> , 2004, 113, 133-141.	2.3	5
138	Computation of some thermodynamic properties of helium-neon and helium-krypton fluid mixtures using molecular dynamics simulation. <i>Fluid Phase Equilibria</i> , 2010, 291, 117-124.	1.4	5
139	Effect of milling time and clay content on the thermal stability of polyethylene-clay nanocomposite. <i>Journal of Vinyl and Additive Technology</i> , 2016, 22, 285-292.	1.8	5
140	Electrophoretic extraction of highly monodispersed graphene quantum dots from widely polydispersed bulk and its cytotoxicity effect against cancer cells. <i>Microchemical Journal</i> , 2020, 159, 105391.	2.3	5
141	Prediction of volumetric and thermodynamic properties of two aromatic-alcohol mixtures using GMA equation of state. <i>Fluid Phase Equilibria</i> , 2008, 268, 61-67.	1.4	4
142	Gradual Growth of Gold Nanoseeds on Silica for Silica@Gold Core-Shell Nano Applications by Two Different Methods: A Comparison on Structural Properties. <i>Journal of Cluster Science</i> , 2014, 25, 1307-1317.	1.7	4
143	Direct Determination of the Interaction Potentials of Sulphur Hexafluoride-Noble Gases from the Extended Principle of Corresponding States. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 4296-4299.	0.7	3
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