

David J Keffer

List of Publications by Year in descending order

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137
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2832
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#	ARTICLE	IF	CITATIONS
1	A Molecular Dynamics Study of a Nafion Polyelectrolyte Membrane and the Aqueous Phase Structure for Proton Transport. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2208-2218.	1.2	207
2	Comparison of the Hydration and Diffusion of Protons in Perfluorosulfonic Acid Membranes with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13273-13284.	1.2	119
3	On the Relationship between Polymer Electrolyte Structure and Hydrated Morphology of Perfluorosulfonic Acid Membranes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11279-11292.	1.5	99
4	The effect of nanopore shape on the structure and isotherms of adsorbed fluids. <i>Adsorption</i> , 1996, 2, 9-21.	1.4	68
5	Conversion of Lignin Precursors to Carbon Fibers with Nanoscale Graphitic Domains. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2002-2010.	3.2	68
6	Competitive adsorption of CO ₂ /CH ₄ mixture on dry and wet coal from subcritical to supercritical conditions. <i>Chemical Engineering Journal</i> , 2013, 230, 93-101.	6.6	67
7	A proper approach for nonequilibrium molecular dynamics simulations of planar elongational flow. <i>Journal of Chemical Physics</i> , 2005, 122, 114103.	1.2	65
8	Rotating Phenyl Rings as a Guest-Dependent Switch in Two-Dimensional Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2014, 136, 671-678.	6.6	65
9	Structure of the Ionomer Film in Catalyst Layers of Proton Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25305-25316.	1.5	59
10	The composition dependence of self and transport diffusivities from molecular dynamics simulations. <i>Chemical Engineering Journal</i> , 2004, 100, 51-69.	6.6	57
11	Diffusion and Percolation on Zeolite Sorption Lattices. <i>The Journal of Physical Chemistry</i> , 1996, 100, 967-973.	2.9	52
12	Rheological and structural studies of liquid decane, hexadecane, and tetracosane under planar elongational flow using nonequilibrium molecular-dynamics simulations. <i>Journal of Chemical Physics</i> , 2005, 122, 184906.	1.2	52
13	Rheological and structural studies of linear polyethylene melts under planar elongational flow using nonequilibrium molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2006, 124, 084902.	1.2	51
14	Rheological and entanglement characteristics of linear-chain polyethylene liquids in planar Couette and planar elongational flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 152, 168-183.	1.0	51
15	Molecular Dynamics Simulation of Poly(ethylene terephthalate) Oligomers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 786-795.	1.2	46
16	Computational chemistry for molecular electronics. <i>Computational Materials Science</i> , 2003, 28, 321-341.	1.4	41
17	A validation of the p-SLLOD equations of motion for homogeneous steady-state flows. <i>Journal of Chemical Physics</i> , 2006, 124, 194104.	1.2	41
18	Effect of Loading and Nanopore Shape on Binary Adsorption Selectivity. <i>The Journal of Physical Chemistry</i> , 1996, 100, 638-645.	2.9	40

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19	Molecular-Level Modeling of the Structure and Wetting of Electrode/Electrolyte Interfaces in Hydrogen Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1985-1993.	1.5	39
20	Molecular Dynamics Study of Structure and Transport of Water and Hydronium Ions at the Membrane/Vapor Interface of Nafion. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1975-1984.	1.5	39
21	Dynamics of individual molecules of linear polyethylene liquids under shear: Atomistic simulation and comparison with a free-draining bead-rod chain. <i>Journal of Rheology</i> , 2010, 54, 283-310.	1.3	39
22	Evaluation of functionalized isorecticular metal organic frameworks (IRMOFs) as smart nanoporous preconcentrators of RDX. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 459-468.	4.0	38
23	A coarse-grained model for polyethylene glycol polymer. <i>Journal of Chemical Physics</i> , 2011, 135, 214903.	1.2	36
24	An examination of the validity of nonequilibrium molecular-dynamics simulation algorithms for arbitrary steady-state flows. <i>Journal of Chemical Physics</i> , 2005, 123, 114106.	1.2	34
25	Structure Formation under Steady-State Isothermal Planar Elongational Flow of n-Eicosane: A Comparison between Simulation and Experiment. <i>Physical Review Letters</i> , 2006, 96, 037802.	2.9	34
26	Applications of a general random-walk theory for confined diffusion. <i>Physical Review E</i> , 2011, 83, 011120.	0.8	32
27	Molecular Dynamics Simulations of Hydration Effects on Solvation, Diffusivity, and Permeability in Chitosan/Chitin Films. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8997-9010.	1.2	32
28	Coarse-Grained Molecular Dynamics Simulation of Polyethylene Terephthalate (PET). <i>Macromolecules</i> , 2010, 43, 10722-10734.	2.2	31
29	Insights into the structure of mixed CO ₂ /CH ₄ in gas hydrates. <i>American Mineralogist</i> , 2015, 100, 1203-1208.	0.9	31
30	Vapor-Liquid Equilibrium of Ethanol by Molecular Dynamics Simulation and Voronoi Tessellation. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13278-13286.	1.2	30
31	A molecular dynamics study of the stress-optical behavior of a linear short-chain polyethylene melt under shear. <i>Rheologica Acta</i> , 2007, 46, 1171-1186.	1.1	30
32	A compendium of potential energy maps of zeolites and molecular sieves. <i>Journal of Molecular Graphics</i> , 1996, 14, 108-116.	1.7	29
33	Single-chain dynamics of linear polyethylene liquids under shear flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 769-772.	0.9	29
34	A Reactive Molecular Dynamics Algorithm for Proton Transport in Aqueous Systems. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11965-11976.	1.5	29
35	Modeling shear thickening in dilute polymer solutions: Temperature, concentration, and molecular weight dependencies. <i>Journal of Applied Polymer Science</i> , 2003, 90, 2997-3011.	1.3	28
36	Molecular simulations of adsorption and diffusion of RDX in IRMOF-1. <i>Molecular Simulation</i> , 2009, 35, 910-919.	0.9	28

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37	Effective potentials between nanoparticles in suspension. <i>Journal of Chemical Physics</i> , 2011, 134, 144902.	1.2	28
38	Evidence of Single-File Diffusion in Zeolites. <i>Science</i> , 1996, 274, 164-164.	6.0	27
39	Structure and Dynamics of a Benzenedithiol Monolayer on a Au(111) Surface. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11940-11950.	1.2	27
40	Measuring Coexisting Densities from a Two-Phase Molecular Dynamics Simulation by Voronoi Tessellations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3469-3475.	1.2	27
41	Effect of Charge Distribution on RDX Adsorption in IRMOF-10. <i>Langmuir</i> , 2010, 26, 5942-5950.	1.6	27
42	Processing-Structure-Property Relationships for Lignin-Based Carbonaceous Materials Used in Energy Storage Applications. <i>Energy Technology</i> , 2017, 5, 1311-1321.	1.8	27
43	Determination of statistically reliable transport diffusivities from molecular dynamics simulation. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 120, 41-53.	1.0	25
44	Molecular Dynamic Simulations of the Effect on the Hydration of Nafion in the Presence of a Platinum Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12890-12899.	1.5	25
45	Kinetics of Methane Hydrate Decomposition Studied via in Situ Low Temperature X-ray Powder Diffraction. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3593-3598.	1.1	25
46	Nanoparticle adhesion in proton exchange membrane fuel cell electrodes. <i>Journal of Power Sources</i> , 2013, 241, 634-646.	4.0	25
47	Behavior of Oil Droplets on an Electrified Solid Metal Surface Immersed in Ionic Surfactant Solutions. <i>Langmuir</i> , 2005, 21, 1758-1765.	1.6	23
48	Toward a Predictive Understanding of Water and Charge Transport in Proton Exchange Membranes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3052-3061.	1.2	23
49	An examination of the shear-thickening behavior of high molecular weight polymers dissolved in low-viscosity Newtonian solvents. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1714-1735.	1.3	22
50	A comparison of simple rheological models and simulation data of n-hexadecane under shear and elongational flows. <i>Journal of Rheology</i> , 2006, 50, 625-640.	1.3	22
51	On the Relationship between Fickian Diffusivities at the Continuum and Molecular Levels. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5279-5288.	1.2	21
52	Energetic and entropic elasticity of nonisothermal flowing polymers: Experiment, theory, and simulation. <i>Journal of Rheology</i> , 2008, 52, 105-140.	1.3	21
53	Atomistic and Coarse-Grained Molecular Dynamics Simulation of a Cross-Linked Sulfonated Poly(1,3-cyclohexadiene)-Based Proton Exchange Membrane. <i>Macromolecules</i> , 2012, 45, 6669-6685.	2.2	21
54	Guest-Host Interactions in Mixed CH ₄ -CO ₂ Hydrates: Insights from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19575-19583.	1.5	20

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55	Hierarchical Lignin-Based Carbon Matrix and Carbon Dot Composite Electrodes for High-Performance Supercapacitors. <i>ACS Omega</i> , 2021, 6, 7851-7861.	1.6	20
56	Lithium and Sodium Ion Binding Mechanisms and Diffusion Rates in Lignin-Based Hard Carbon Models. <i>ACS Omega</i> , 2021, 6, 19883-19892.	1.6	20
57	Unidirectional and single-file diffusion in AlPO ₄ -5: molecular dynamics investigations. <i>Molecular Physics</i> , 1996, 87, 367-388.	0.8	20
58	Thermodynamic method for prediction of surfactant-modified oil droplet contact angle. <i>Journal of Colloid and Interface Science</i> , 2004, 270, 229-241.	5.0	19
59	Proton transport in water confined in carbon nanotubes: a reactive molecular dynamics study. <i>Molecular Simulation</i> , 2010, 36, 568-578.	0.9	19
60	Reactive Molecular Dynamics Study of Proton Transport in Polymer Electrolyte Membranes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18835-18846.	1.5	19
61	Absorbing boundary conditions for molecular dynamics and multiscale modeling. <i>Physical Review B</i> , 2007, 76, .	1.1	18
62	A Grand Canonical Monte Carlo Study of the Adsorption of Methane, Ethane, and Their Mixtures in One-Dimensional Nanoporous Materials. <i>Langmuir</i> , 2002, 18, 10455-10461.	1.6	16
63	Visualization of conformational changes of linear short-chain polyethylenes under shear and elongational flows. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 26, 1046-1056.	1.3	16
64	Atomistic simulation of energetic and entropic elasticity in short-chain polyethylenes. <i>Journal of Rheology</i> , 2008, 52, 567-589.	1.3	16
65	Multi-scale models for cross-linked sulfonated poly (1, 3-cyclohexadiene) polymer. <i>Polymer</i> , 2012, 53, 1517-1528.	1.8	16
66	A Reactive Molecular Dynamics Study of the Thermal Decomposition of Perfluorodimethyl Ether. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13670-13677.	1.2	15
67	Use of the Ornstein-Zernike Percus-Yevick equation to extract interaction potentials from pair correlation functions. <i>Physical Review E</i> , 2010, 81, 061204.	0.8	15
68	Structural analysis of lignin-derived carbon composite anodes. <i>Journal of Applied Crystallography</i> , 2014, 47, 1577-1584.	1.9	15
69	Direct Formation and Structural Characterization of Electride C12A7. <i>Materials</i> , 2019, 12, 84.	1.3	15
70	Efficient parallel algorithms for molecular dynamics simulations using variable charge transfer electrostatic potentials. <i>International Journal of Quantum Chemistry</i> , 2000, 80, 733-742.	1.0	14
71	Interfacial Li-ion localization in hierarchical carbon anodes. <i>Carbon</i> , 2017, 111, 828-834.	5.4	14
72	A generalized Hamiltonian-based algorithm for rigorous equilibrium molecular dynamics simulation in the isobaric-isothermal ensemble. <i>Molecular Simulation</i> , 2006, 32, 345-356.	0.9	13

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73	Structure and Diffusion in Cross-Linked and Sulfonated Poly(1,3-cyclohexadiene)/Polyethylene Glycol-Based Proton Exchange Membranes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4901-4912.	1.5	13
74	Exploiting Single-File Motion in One-Dimensional Nanoporous Materials for Hydrocarbon Separation. <i>Separation Science and Technology</i> , 2003, 38, 977-998.	1.3	12
75	Agreement between Analytical Theory and Molecular Dynamics Simulation for Adsorption and Diffusion in Crystalline Nanoporous Materials. <i>Journal of Physical Chemistry B</i> , 2004, 108, 376-386.	1.2	12
76	On the relationship between the structure of metal-organic frameworks and the adsorption and diffusion of hydrogen. <i>Molecular Simulation</i> , 2011, 37, 621-639.	0.9	12
77	Impact of oxidation on nanoparticle adhesion to carbon substrates. <i>RSC Advances</i> , 2013, 3, 15792.	1.7	12
78	The temperature dependence of single-file separation mechanisms in one-dimensional nanoporous materials. <i>Chemical Engineering Journal</i> , 1999, 74, 33-42.	6.6	10
79	Entropy-driven structure and dynamics in carbon nanocrystallites. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	10
80	Hydrogen adsorption and diffusion in amorphous, metal-decorated nanoporous silica. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9241-9253.	3.8	10
81	Elucidating nano and meso-structures of lignin carbon composites: A comprehensive study of feedstock and temperature dependence. <i>Carbon</i> , 2020, 161, 856-869.	5.4	10
82	Estimation and analysis of the rheological properties of a perfluoropolyether through molecular dynamics simulation. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 787-795.	0.9	9
83	High temperature proton exchange membranes with enhanced proton conductivities at low humidity and high temperature based on polymer blends and block copolymers of poly(1,3-cyclohexadiene) and poly(ethylene glycol). <i>Polymer</i> , 2015, 77, 208-217.	1.8	9
84	Molecular Rotational Dynamics in Mixed CH ₄ -CO ₂ Hydrates: Insights from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26251-26262.	1.5	9
85	A generalized analytical theory for adsorption of fluids in nanoporous materials. <i>Molecular Physics</i> , 2002, 100, 2689-2701.	0.8	8
86	Thermodynamic Model for the Prediction of Contact Angles of Oil Droplets on Solid Surfaces in SDS Solutions. <i>Separation Science and Technology</i> , 2003, 38, 2815-2835.	1.3	8
87	Surfactant and Electric Field Strength Effects on Surface Tension at Liquid/Liquid/Solid Interfaces. <i>Langmuir</i> , 2006, 22, 5358-5365.	1.6	8
88	Theoretical Calculation of Thermodynamic Properties of Naphthalene, Methylnaphthalenes, and Dimethylnaphthalenes. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1843-1850.	1.0	8
89	A comparison between entropies of aromatic compounds from quantum mechanical calculations and experiment. <i>Computational and Theoretical Chemistry</i> , 2007, 802, 23-34.	1.5	8
90	A generalized Hamiltonian-based algorithm for rigorous equilibrium molecular dynamics simulation in the canonical ensemble. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 152, 129-139.	1.0	8

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91	Effects of ultramicroelectrode dimensions on the electropolymerization of polypyrrole. <i>Journal of Applied Physics</i> , 2009, 105, 124312.	1.1	8
92	Hierarchical Model for the Analysis of Scattering Data of Complex Materials. <i>Jom</i> , 2016, 68, 1583-1588.	0.9	8
93	Li-Ion Localization and Energetics as a Function of Anode Structure. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6988-7002.	4.0	8
94	Lithium and sodium ion binding in nanostructured carbon composites. <i>Molecular Simulation</i> , 2021, 47, 878-887.	0.9	8
95	Local structure and distortions of mixed methane-carbon dioxide hydrates. <i>Communications Chemistry</i> , 2021, 4, .	2.0	8
96	Single-file motion of polyatomic molecules in one-dimensional nanoporous materials. <i>Molecular Physics</i> , 2002, 100, 2727-2733.	0.8	7
97	Molecular-Level Investigation of Critical Gap Size between Catalyst Particles and Electrolyte in Hydrogen Proton Exchange Membrane Fuel Cells. <i>Fuel Cells</i> , 2008, 8, 422-428.	1.5	7
98	A multiscale modeling demonstration based on the pair correlation function. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 152, 140-147.	1.0	7
99	Effect of Low Concentration Salt on Organic Contact Angle in Ionic Surfactant Solutions: Insight from Theory and Experiment. <i>Separation Science and Technology</i> , 2008, 43, 310-330.	1.3	7
100	Structure and proton transport in proton exchange membranes based on cross-linked sulfonated poly (1, 3-cyclohexadiene) with varying local acid environment. <i>Polymer</i> , 2013, 54, 2299-2307.	1.8	7
101	Intrinsic relationships between proton conductivity and nanopore size and functionalization. <i>Microporous and Mesoporous Materials</i> , 2013, 177, 17-24.	2.2	7
102	The effect of process parameters on the amorphous citrate sol-gel synthesis of Cu-doped Ca ₁₂ Al ₁₄ O ₃₃ . <i>Materialia</i> , 2018, 4, 466-477.	1.3	7
103	Entropy Pair Functional Theory: Direct Entropy Evaluation Spanning Phase Transitions. <i>Entropy</i> , 2021, 23, 234.	1.1	7
104	An analytical theory for diffusion of fluids in crystalline nanoporous materials. <i>Molecular Physics</i> , 2003, 101, 1399-1412.	0.8	6
105	Comparison of rheological properties of short-chain perfluoropolyethers through simulation and experiment. <i>Molecular Simulation</i> , 2007, 33, 871-878.	0.9	6
106	Methane and carbon dioxide adsorption and diffusion in amorphous, metal-decorated nanoporous silica. <i>Molecular Simulation</i> , 2014, 40, 618-633.	0.9	6
107	Materials Fingerprinting Classification. <i>Computer Physics Communications</i> , 2021, 266, 108019.	3.0	6
108	Development of Nanocrystalline Graphite from Lignin Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1786-1794.	3.2	6

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109	Obtaining transport diffusion coefficients from self-diffusion coefficients in nanoporous adsorption systems. <i>Molecular Physics</i> , 2004, 102, 471-483.	0.8	5
110	Shear Thickening in Dilute Polymer Solutions: Transient Analysis. <i>Chemical Engineering Communications</i> , 2005, 192, 89-107.	1.5	5
111	Lithium diffusion at Si-C interfaces in silicon-graphene composites. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	5
112	Electron beam induced radiation damage in the catalyst layer of a proton exchange membrane fuel cell. <i>Scanning</i> , 2014, 36, 338-346.	0.7	5
113	The Adsorption Properties of Amorphous, Metal-Decorated Microporous Silsesquioxanes for Mixtures of Carbon Dioxide, Methane and Hydrogen. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13008-13017.	1.5	5
114	Ab Initio Molecular Dynamics Simulations of an Excess Proton in a Triethylene Glycol-Water Solution: Solvation Structure, Mechanism, and Kinetics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5223-5242.	1.2	5
115	Evaluation of nano- and mesoscale structural features in composite materials through hierarchical decomposition of the radial distribution function. <i>Journal of Applied Crystallography</i> , 2018, 51, 76-86.	1.9	5
116	A test case for predicting the rheological properties of polymeric liquids: the multiple coupled Maxwell modes model. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 120, 11-32.	1.0	4
117	Using multiple-mode models for fitting and predicting rheological properties of polymeric melts. <i>Journal of Applied Polymer Science</i> , 2006, 99, 405-423.	1.3	4
118	A Quantum Mechanical Study of the Decomposition of CF ₃ OCF ₃ and CF ₃ CF ₂ OCF ₂ CF ₃ in the Presence of AlF ₃ . <i>Journal of Physical Chemistry A</i> , 2008, 112, 2604-2609.	1.1	4
119	Comparison of perfluoropolyethers and <i>n</i> -alkanes under shear via nonequilibrium molecular dynamics simulation. <i>Molecular Simulation</i> , 2008, 34, 231-242.	0.9	4
120	Molecular simulations of H ₂ adsorption in metal-porphyrin frameworks: A potential new material evaluation. <i>Journal of Renewable and Sustainable Energy</i> , 2011, 3, 053105.	0.8	4
121	Influence of Aqueous/Solid Interactions on Organic Droplet Shape in Liquid/Liquid/Solid Systems. <i>Separation Science and Technology</i> , 2006, 41, 2515-2531.	1.3	2
122	Structure of oxidised silver (1% ₁) and (1% ₀) surfaces. <i>Molecular Simulation</i> , 2017, 43, 355-369.	0.9	2
123	Local structure analysis of low-temperature neutron pair distribution function coupled with molecular dynamics simulations of CH ₄ and CO ₂ hydrates from 2 to 210Å. <i>Fuel</i> , 2021, 299, 120908.	3.4	2
124	Scaling point set registration in 3D across thread counts on multicore and hardware accelerator platforms through autotuning for large scale analysis of scientific point clouds. , 2017, , .		1
125	Reactive molecular dynamics simulations of an excess proton in polyethylene glycol-water solutions. <i>Molecular Simulation</i> , 2019, 45, 381-393.	0.9	1
126	Bayesian Point Set Registration. <i>MATRIX Book Series</i> , 2019, , 99-120.	0.2	1

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127	Assessment of Local Observation of Atomic Ordering in Alloys via the Radial Distribution Function: A Computational and Experimental Approach. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	1
128	Board 130: NSF S-STEM: Transfer Success Co-Design for Engineering Disciplines (TranSCEnD). , 0, , .		1
129	Exploration of Entropy Pair Functional Theory. <i>Entropy</i> , 2022, 24, 603.	1.1	1
130	In situ inelastic neutron scattering of mixed CH ₄ –CO ₂ hydrates. <i>Fuel</i> , 2022, 327, 125197.	3.4	1
131	Atomic-Scale Simulations of Structural Properties of Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 1996, 453, 209.	0.1	0
132	Using multiple-mode models for fitting and predicting the rheological properties of polymeric melts. II. Single and double step-strain flows. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2884-2892.	1.3	0
133	Self-Consistent Multiscale Modeling in the Presence of Inhomogeneous Fields. <i>Multiscale Modeling and Simulation</i> , 2009, 8, 193-203.	0.6	0
134	Nano-Particle Adhesion in PEM Fuel Cell Electrodes. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
135	Molecular-Level Modeling of the Structure and Proton Transport within the Membrane Electrode Assembly of Hydrogen Proton Exchange Membrane Fuel Cells. <i>Modern Aspects of Electrochemistry</i> , 2010, , 133-202.	0.2	0
136	In situ characterization of the synthesis of Ca ₁₂ Al ₁₄ O ₃₃ under non-ambient atmospheres. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, a349-a349.	0.0	0
137	Local Structure Analysis and Modelling of Lignin-Based Carbon Composites through the Hierarchical Decomposition of the Radial Distribution Function. <i>ChemistryOpen</i> , 2022, 11, e202100220.	0.9	0