## Seung Soon Jang

## List of Publications by Citations

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153 papers

4,976 citations

38 h-index 65 g-index

172 ext. papers

5,769 ext. citations

6.9 avg, IF

5.77 L-index

#	Paper	IF	Citations
153	Nanophase-Segregation and Transport in Nafion 117 from Molecular Dynamics Simulations: Effect of Monomeric Sequence. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 3149-3157	3.4	375
152	Low-temperature solution-processed Li-doped SnO2 as an effective electron transporting layer for high-performance flexible and wearable perovskite solar cells. <i>Nano Energy</i> , <b>2016</b> , 26, 208-215	17.1	331
151	Molecular Dynamics Study of a Surfactant-Mediated Decane Water Interface: Effect of Molecular Architecture of Alkyl Benzene Sulfonate. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 12130-12140	3.4	187
150	Structures and properties of self-assembled monolayers of bistable [2]rotaxanes on Au (111) surfaces from molecular dynamics simulations validated with experiment. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1563-75	16.4	185
149	Self-polymerized dopamine as an organic cathode for Li- and Na-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 205-215	35.4	181
148	Collagen intrafibrillar mineralization as a result of the balance between osmotic equilibrium and electroneutrality. <i>Nature Materials</i> , <b>2017</b> , 16, 370-378	27	148
147	First-Principles Density Functional Theory Modeling of Li Binding: Thermodynamics and Redox Properties of Quinone Derivatives for Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2374-82	16.4	142
146	All Solid-State Lithium Batteries Assembled with Hybrid Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A704-A710	3.9	124
145	Mechanical and transport properties of the poly(ethylene oxide)-poly(acrylic acid) double network hydrogel from molecular dynamic simulations. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 1729-37	3.4	121
144	Multi-paradigm multi-scale simulations for fuel cell catalysts and membranes. <i>Molecular Simulation</i> , <b>2006</b> , 32, 251-268	2	105
143	The Source of Helicity in Perfluorinated N-Alkanes. <i>Macromolecules</i> , <b>2003</b> , 36, 5331-5341	5.5	97
142	Structures and properties of Newton black films characterized using molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7992-8001	3.4	91
141	Molecular dynamics simulation of amphiphilic bistable [2]rotaxane langmuir monolayers at the air/water interface. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14804-16	16.4	90
140	Aromatic Ionomers with Highly Acidic Sulfonate Groups: Acidity, Hydration, and Proton Conductivity. <i>Macromolecules</i> , <b>2011</b> , 44, 8458-8469	5.5	83
139	ReaxFF reactive force field for solid oxide fuel cell systems with application to oxygen ion transport in yttria-stabilized zirconia. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 3133-40	2.8	77
138	First-principles study of the switching mechanism of [2]catenane molecular electronic devices. <i>Physical Review Letters</i> , <b>2005</b> , 94, 156801	7.4	67
137	Density functional theory studies of the [2]rotaxane component of the Stoddart-heath molecular switch. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12636-45	16.4	66

## (2005-2015)

136	High-Density Lithium-Ion Energy Storage Utilizing the Surface Redox Reactions in Folded Graphene Films. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3291-3298	9.6	64
135	Molecular dynamics simulation study of P (VP-co-HEMA) hydrogels: effect of water content on equilibrium structures and mechanical properties. <i>Biomaterials</i> , <b>2009</b> , 30, 6130-41	15.6	61
134	Magnetism in dopant-free ZnO nanoplates. <i>Nano Letters</i> , <b>2012</b> , 12, 576-81	11.5	59
133	Molecular Dynamics Simulation Study of a Polysulfone-Based Anion Exchange Membrane in Comparison with the Proton Exchange Membrane. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12577-125	5 <del>8</del> 7	58
132	Adsorption of Ed-glucose and cellobiose on kaolinite surfaces: Density functional theory (DFT) approach. <i>Applied Clay Science</i> , <b>2013</b> , 71, 73-81	5.2	58
131	Polymer electrolyte membranes based on poly(arylene ether sulfone) with pendant perfluorosulfonic acid. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 272-281	4.9	56
130	Nanophase segregation and water dynamics in the dendrion diblock copolymer formed from the FrEhet polyaryl ethereal dendrimer and linear PTFE. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10154-67	<b>3</b> ·4	55
129	"Organic aqua regia"powerful liquids for dissolving noble metals. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7929-32	16.4	53
128	Application of DFT-based machine learning for developing molecular electrode materials in Li-ion batteries <i>RSC Advances</i> , <b>2018</b> , 8, 39414-39420	3.7	49
127	Water distribution in dentin matrices: bound vs. unbound water. <i>Dental Materials</i> , <b>2015</b> , 31, 205-16	5.7	48
126	Structures and Transport Properties of Hydrated Water-Soluble Dendrimer-Grafted Polymer Membranes for Application to Polymer Electrolyte Membrane Fuel Cells: Classical Molecular Dynamics Approach. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2759-2769	3.8	47
125	Effect of Superacidic Side Chain Structures on High Conductivity Aromatic Polymer Fuel Cell Membranes. <i>Macromolecules</i> , <b>2015</b> , 48, 7117-7126	5.5	45
124	The importance of size-exclusion characteristics of type I collagen in bonding to dentin matrices. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 9522-8	10.8	45
123	First-principles study of Li adsorption in a carbon nanotube-fullerene hybrid system. <i>Carbon</i> , <b>2011</b> , 49, 286-293	10.4	45
122	A molecular dynamics simulation study of hydrated sulfonated poly(ether ether ketone) for application to polymer electrolyte membrane fuel cells: Effect of water content. <i>Journal of Renewable and Sustainable Energy</i> , <b>2009</b> , 1, 033101	2.5	45
121	Interfacial reactions of ozone with surfactant protein B in a model lung surfactant system. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2254-63	16.4	44
120	Monte Carlo simulation of the orderdisorder transition of a symmetric cyclic diblock copolymer system. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1712-1720	3.9	44
119	Molecular dynamics simulation study on a monolayer of half [2]rotaxane self-assembled on Au(111). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4959-64	16.4	43

118	Cytoprotective Self-assembled RGD Peptide Nanofilms for Surface Modification of Viable Mesenchymal Stem Cells. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2055-2065	9.6	41
117	Conformations and charge transport characteristics of biphenyldithiol self-assembled-monolayer molecular electronic devices: a multiscale computational study. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 244703	3.9	41
116	Effect of monomeric sequence on nanostructure and water dynamics in Nafion 117. <i>Solid State Ionics</i> , <b>2004</b> , 175, 805-808	3.3	40
115	Structure Solution from Powder Diffraction of Copper 1,4-Benzenedicarboxylate. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2140-2145	2.3	38
114	Free energy barrier for molecular motions in bistable [2]rotaxane molecular electronic devices. Journal of Physical Chemistry A, <b>2009</b> , 113, 2136-43	2.8	38
113	Effect of cyclic chain architecture on properties of dilute solutions of polyethylene from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 1843-1854	3.9	38
112	Molecular Dynamics Simulations of Aldol Condensation Catalyzed by Alkylamine-Functionalized Crystalline Silica Surfaces. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7664-72	16.4	34
111	Interaction of Cliwith water: first-principles modeling and environmental implications. <i>Environmental Science &amp; Environmental Envir</i>	10.3	33
110	Systematic Molecular Design of Ketone Derivatives of Aromatic Molecules for Lithium-Ion Batteries: First-Principles DFT Modeling. <i>ChemSusChem</i> , <b>2017</b> , 10, 1584-1591	8.3	32
109	Effect of ZnO nanoparticles morphology on UV blocking of poly(vinyl alcohol)/ZnO composite nanofibers. <i>Materials Letters</i> , <b>2015</b> , 147, 20-24	3.3	31
108	Preparation of poly(ethylene terephthalate-co-isophthalate) by ester interchange reaction in the PET/PEI blend system. <i>Journal of Polymer Science, Part B: Polymer Physics,</i> <b>1997</b> , 35, 309-315	2.6	31
107	Thermodynamic and redox properties of graphene oxides for lithium-ion battery applications: a first principles density functional theory modeling approach. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 20600-6	3.6	30
106	Analysis of the mechanical behavior of poly(trimethylene terephthalate) in an amorphous state under uniaxial extension condition through atomistic modeling. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 7524-7532	3.9	29
105	Role of anions on electrochemical exfoliation of graphite into graphene in aqueous acids. <i>Carbon</i> , <b>2020</b> , 167, 816-825	10.4	27
104	Deswelling Mechanisms of Surface-Grafted Poly(NIPAAm) Brush: Molecular Dynamics Simulation Approach. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 15974-15985	3.8	27
103	Stability of water-stable C60 clusters to OH radical oxidation and hydrated electron reduction. <i>Environmental Science &amp; Environmental Science &amp; Envir</i>	10.3	27
102	Effect of monomeric sequence on mechanical properties of P(VP-co-HEMA) hydrogels at low hydration. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6604-12	3.4	27
101	Mechanical and Transport Properties of the Poly(ethylene oxide)Poly(acrylic acid) Double Network Hydrogel from Molecular Dynamic Simulations. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 14	440 <sup>4</sup> 14	14 <del>0</del>

Electrochemical and electronic properties of nitrogen doped fullerene and its derivatives for lithium-ion battery applications. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 528-534	12	27	
Importance of Exsolution in Transition-Metal (Co, Rh, and Ir)-Doped LaCrO3 Perovskite Catalysts for Boosting Dry Reforming of CH4 Using CO2 for Hydrogen Production. <i>Industrial &amp;</i> Engineering Chemistry Research, <b>2019</b> , 58, 6385-6393	3.9	26	
Cycling performance of lithium-ion polymer cells assembled with a cross-linked composite polymer electrolyte using a fibrous polyacrylonitrile membrane and vinyl-functionalized SiO2 nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12163-12170	13	26	
Adsorption of carboxylate on calcium carbonate (10 1 1 4) surface: Molecular simulation approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 474, 9-17	5.1	26	
Molecular dynamics simulation study of sodium dodecyl sulfate micelle: Water penetration and sodium dodecyl sulfate dissociation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 474, 36-43	5.1	26	
A first-principles study of lithium adsorption on a graphene-fullerene nanohybrid system. <i>ChemPhysChem</i> , <b>2015</b> , 16, 789-95	3.2	26	
Mechanism of Li adsorption on carbon nanotube-fullerene hybrid system: a first-principles study. <i>ACS Applied Materials &amp; Discrete Mate</i>	9.5	26	
Innovative cathode flow-field design for passive air-cooled polymer electrolyte membrane (PEM) fuel cell stacks. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 11704-11713	6.7	26	
A density functional theory (DFT) study of CO2 adsorption on Mg-rich minerals by enhanced charge distribution. <i>Computational Materials Science</i> , <b>2014</b> , 95, 181-186	3.2	25	
Interactions of Pt nanoparticles with molecular components in polymer electrolyte membrane fuel cells: multi-scale modeling approach. <i>RSC Advances</i> , <b>2016</b> , 6, 69670-69676	3.7	24	
Electrochemical Properties of Boron-Doped Fullerene Derivatives for Lithium-Ion Battery Applications. <i>ChemPhysChem</i> , <b>2018</b> , 19, 753-758	3.2	24	
Effect of temperature on structure and water transport of hydrated sulfonated poly(ether ether ketone): A molecular dynamics simulation approach. <i>Journal of Renewable and Sustainable Energy</i> , <b>2011</b> , 3, 043111	2.5	23	
Li adsorption on a graphenefullerene nanobud system: density functional theory approach. <i>RSC Advances</i> , <b>2015</b> , 5, 32819-32825	3.7	22	
Negative Differential Resistance of Oligo(Phenylene Ethynylene) Self-Assembled Monolayer Systems: The Electric-Field-Induced Conformational Change Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3722-3730	3.8	21	
Distribution and Diffusion of Water in Model Epoxy Molding Compound: Molecular Dynamics Simulation Approach. <i>IEEE Transactions on Advanced Packaging</i> , <b>2010</b> , 33, 333-339		20	
Investigation of ethanol infiltration into demineralized dentin collagen fibrils using molecular dynamics simulations. <i>Acta Biomaterialia</i> , <b>2016</b> , 36, 175-85	10.8	17	
Controlling the physicochemical state of carbon on graphene using focused electron-beam-induced deposition. <i>ACS Nano</i> , <b>2014</b> , 8, 6805-13	16.7	17	
Unveiled correlations between electron affinity and solvation in redox potential of quinone-based sodium-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 242-250	19.4	17	
	Importance of Exsolution in Transition-Metal (Co, Rh, and In)-Doped LaCrO3 Perovskite Catalysts for Boosting Dry Reforming of CH4 Using CO2 for Hydrogen Production. Industrial & Engineering Chemistry Research, 2019, 58, 6385-6393 Cycling performance of lithium-ion polymer cells assembled with a cross-linked composite polymer electrolyte using a fibrous polyacrylonitrile membrane and vinyl-functionalized SiO2 nanoparticles. Journal of Materials Chemistry A, 2015, 3, 12163-12170  Adsorption of carboxylate on calcium carbonate (10 114) surface: Molecular simulation approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 474, 9-17  Molecular dynamics simulation study of Sodium dodecyl sulfate micelle: Water penetration and sodium dodecyl sulfate dissociation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 474, 36-43  A first-principles study of lithium adsorption on a graphene-fullerene nanohybrid system. 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ChemPhysChem, 2018, 19, 753-758  Effect of temperature on structure and water transport of hydrated sulfonated poly(elther ether ketone): A molecular dynamics simulation approach. Invance, 2015, 5, 32819-32825  Negative Differential Resistance of Oligo(Phenylene Ethynylene) Self-Assembled Monolayer Systems: The Electric-Field-Induced Co	Importance of Exsolution in Transition-Metal (Co, Rh, and Ir)-Doped LaCrO3 Perovskite Catalysts for Boosting Dry Reforming of CH4 Using CO2 for Hydrogen Production. Industrial Ramp; 266 PGB OST 19 Profesoring of CH4 Using CO2 for Hydrogen Production. 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82	Li adsorption on a FullereneBingle wall carbon nanotube hybrid system: Density functional theory approach. <i>Current Applied Physics</i> , <b>2014</b> , 14, 1748-1754	2.6	16
81	A hydrogen storage nanotank: lithium-organic pillared graphite. <i>Chemical Communications</i> , <b>2009</b> , 5427-	<b>9</b> 5.8	16
80	Effects of Ester Interchange Reactions on the Phase Behavior of an Immiscible Polyester Blend: Monte Carlo Simulation. <i>Macromolecules</i> , <b>1999</b> , 32, 1679-1685	5.5	16
79	Lead-free halide double perovskites: Toward stable and sustainable optoelectronic devices.  Materials Today, 2021,	21.8	16
78	Origin and Control of Polyacrylonitrile Alignments on Carbon Nanotubes and Graphene Nanoribbons. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706970	15.6	15
77	Density Functional Theory - Machine Learning Approach to Analyze the Bandgap of Elemental Halide Perovskites and Ruddlesden-Popper Phases. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2559-2565	3.2	15
76	Boron-doped coronenes with high redox potential for organic positive electrodes in lithium-ion batteries: a first-principles density functional theory modeling study. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10111-10120	13	14
75	Porous Strained Pt Nanostructured Thin-Film Electrocatalysts via Dealloying for PEM Fuel Cells. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901326	4.6	14
74	Density Functional Theory Modeling-Assisted Investigation of Thermodynamics and Redox Properties of Boron-Doped Corannulenes for Cathodes in Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 10675-10681	3.8	13
73	Contiguous and Atomically Thin Pt Film with Supra-Bulk Behavior Through Graphene-Imposed Epitaxy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902274	15.6	13
72	Monte carlo simulation of copolymerization by ester interchange reaction in miscible polyester blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1998</b> , 36, 1637-1645	2.6	13
71	Enhanced Lithium Storage of an Organic Cathode via the Bipolar Mechanism. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 3728-3735	6.1	12
7º	Detecting the functional complexities between high-density lipoprotein mimetics. <i>Biomaterials</i> , <b>2018</b> , 170, 58-69	15.6	12
69	Investigation of the effect of erythrosine B on amyloid beta peptide using molecular modeling. Journal of Molecular Modeling, <b>2016</b> , 22, 92	2	12
68	Functionalized fullerenes in water: a closer look. Environmental Science & Env	4765.5	12
67	Influence of SWNTs on the Preferential Alignment of Molecular Moieties in PVA Fibers. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 617-626	2.6	12
66	Analysis of the mechanical behavior of amorphous atactic poly(oxypropylene) by atomistic modeling. <i>Macromolecular Theory and Simulations</i> , <b>1999</b> , 8, 1-9	1.5	12
65	Parametric study of passive air-cooled polymer electrolyte membrane fuel cell stacks. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 156, 119886	4.9	11

64	Activating "Invisible" Glue: Using Electron Beam for Enhancement of Interfacial Properties of Graphene-Metal Contact. <i>ACS Nano</i> , <b>2016</b> , 10, 1042-9	16.7	11
63	Effect of solvent on electrical conductivity and gas sensitivity of PEDOT: PSS polymer composite films. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
62	Thermodynamic Stability of Zimmerman Self-Assembled Dendritic Supramolecules from Atomistic Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 10041-10052	3.4	11
61	Nanostructures of Nafion Film at Platinum/Carbon Surface in Catalyst Layer of PEMFC: Molecular Dynamics Simulation Approach. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 21386-21395	3.8	11
60	Investigations of the band structures of edge-defect zigzag graphene nanoribbons using density functional theory. <i>RSC Advances</i> , <b>2016</b> , 6, 39587-39594	3.7	11
59	Dynamic modulation of electronic properties of graphene by localized carbon doping using focused electron beam induced deposition. <i>Nanoscale</i> , <b>2015</b> , 7, 14946-52	7.7	10
58	The effects of ethanol on the size-exclusion characteristics of type I dentin collagen to adhesive resin monomers. <i>Acta Biomaterialia</i> , <b>2016</b> , 33, 235-41	10.8	10
57	Localized conductive patterning via focused electron beam reduction of graphene oxide. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 133109	3.4	10
56	Effect of monomeric sequence on transport properties of d-glucose and ascorbic acid in poly(VP-co-HEMA) hydrogels with various water contents: molecular dynamics simulation approach. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	10
55	Charge transport through polyene self-assembled monolayers from multiscale computer simulations. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 14888-97	3.4	10
54	Off-lattice Monte Carlo simulation of hyperbranched polymers, 1 Polycondensation of AB2 type monomers. <i>Macromolecular Theory and Simulations</i> , <b>2000</b> , 9, 188-195	1.5	10
53	Phase transformation of poly(trimethylene terephthalate) in crystalline state: An atomistic modeling approach. <i>Fibers and Polymers</i> , <b>2000</b> , 1, 18-24	2	10
52	Effect of the Side-Chain Length in Perfluorinated Sulfonic and Phosphoric Acid-Based Membranes on Nanophase Segregation and Transport: A Molecular Dynamics Simulation Approach. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 1571-1580	3.4	9
51	Molecular Modeling Approach to Determine the Flory-Huggins Interaction Parameter for Polymer Miscibility Analysis. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1655-1664	3.2	9
50	Enhanced Selectivity for CO Adsorption on Mesoporous Silica with Alkali Metal Halide Due to Electrostatic Field: A Molecular Simulation Approach. <i>ACS Applied Materials &amp; Discourted M</i>	9.5	9
49	Analyzing oxygen transport resistance and Pt particle growth effect in the cathode catalyst layer of polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 13414-13427	6.7	9
48	Characterization of molecular association of poly(2-oxazoline)s-based micelles with various epoxides and diols via the Flory-Huggins theory: a molecular dynamics simulation approach. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 29161-70	3.6	8
47	Bandgap bowing in Ta-W-O system for efficient solar energy conversion: Insights from density functional theory and X-ray diffraction. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 133905	3.4	8

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4	methacrylate)-block-poly(acrylonitrile). <i>Carbon</i> , <b>2022</b> , 192, 332-346  Multi-Variate Optimization of Polymer Electrolyte Membrane Fuel Cells in Consideration of Effects of GDL Compression and Intrusion. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 014511  Ce(III)-Based Coordination-Complex-Based Efficient Radical Scavenger for Exceptional Durability Enhancement of Polymer Application in Proton-Exchange Membrane Fuel Cells and Organic	3.9	0