Sang Bok Lee

List of Publications by Citations

166 papers	11,533 citations	57 h-index	105 g-index
173 ext. papers	12,311 ext. citations	8.2 avg, IF	6.48 L-index

#	Paper	IF	Citations
166	MnO2/poly(3,4-ethylenedioxythiophene) coaxial nanowires by one-step coelectrodeposition for electrochemical energy storage. *Journal of the American Chemical Society*, **2008**, 130, 2942-3	16.4	615
165	Antibody-based bio-nanotube membranes for enantiomeric drug separations. *Science*, **2002**, 296, 2198-200	33.3	559
164	Magnetic nanotubes for magnetic-field-assisted bioseparation, biointeraction, and drug delivery. *Journal of the American Chemical Society*, **2005**, 127, 7316-7	16.4	505
163	Smart nanotubes for bioseparations and biocatalysis. *Journal of the American Chemical Society*, **2002**, 124, 11864-5	16.4	503
162	Heterogeneous nanostructured electrode materials for electrochemical energy storage. *Chemical Communications*, **2011**, 47, 1384-404	5.8	419
161	Fast electrochemistry of conductive polymer nanotubes: synthesis, mechanism, and application. *Accounts of Chemical Research*, **2008**, 41, 699-707	24.3	362
160	Controlled synthesis of Pd-Pt alloy hollow nanostructures with enhanced catalytic activities for oxygen reduction. *ACS Nano*, **2012**, 6, 2410-9	16.7	316
159	Nanotubular metal-insulator-metal capacitor arrays for energy storage. *Nature Nanotechnology*, **2009**, 4, 292-6	28.7	307
158	Structural, electrical, and optical properties of atomic layer deposition Al-doped ZnO films. *Journal of Applied Physics*, **2010**, 108, 043504	2.5	278
157	Natural cellulose fiber as substrate for supercapacitor. *ACS Nano*, **2013**, 7, 6037-46	16.7	267
156	Self-limiting electrodeposition of hierarchical MnO_2 and $M(OH)_2$/MnO_2 nanofibril/nanowires: mechanism and supercapacitor properties. *ACS Nano*, **2013**, 7, 1200-14	16.7	237
155	Controlled electrochemical synthesis of conductive polymer nanotube structures. *Journal of the American Chemical Society*, **2007**, 129, 4483-9	16.4	229
154	Redox exchange induced MnO2 nanoparticle enrichment in poly(3,4-ethylenedioxythiophene) nanowires for electrochemical energy storage. *ACS Nano*, **2010**, 4, 4299-307	16.7	226
153	Experimental considerations on the cytotoxicity of nanoparticles. *Nanomedicine*, **2011**, 6, 929-41	5.6	212
152	Cellular uptake and cytotoxicity of silica nanotubes. *Nano Letters*, **2008**, 8, 2150-4	11.5	186
151	Enhancing the reversibility of Mg/S battery chemistry through Li(+) mediation. *Journal of the American Chemical Society*, **2015**, 137, 12388-93	16.4	185
150	Poly(3,4-ethylenedioxythiophene) nanotubes as electrode materials for a high-powered supercapacitor. *Nanotechnology*, **2008**, 19, 215710	3.4	184

149	Inorganic hollow nanoparticles and nanotubes in nanomedicine Part 1. Drug/gene delivery applications. *Drug Discovery Today*, **2007**, 12, 650-6	8.8	174
148	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. *Angewandte Chemie - International Edition*, **2016**, 55, 9898-901	16.4	168
147	Mapping the Challenges of Magnesium Battery. *Journal of Physical Chemistry Letters*, **2016**, 7, 1736-49	6.4	166
146	An all-in-one nanopore battery array. *Nature Nanotechnology*, **2014**, 9, 1031-9	28.7	164
145	pH-switchable, ion-permselective gold nanotubule membrane based on chemisorbed cysteine. *Analytical Chemistry*, **2001**, 73, 768-75	7.8	156
144	Highly flexible pseudocapacitor based on freestanding heterogeneous MnO2/conductive polymer nanowire arrays. *Physical Chemistry Chemical Physics*, **2012**, 14, 3329-37	3.6	142
143	Ion channel mimetic micropore and nanotube membrane sensors. *Analytical Chemistry*, **2002**, 74, 2416-22	7.8	134
142	Stabilization of Lithium Metal Anodes by Hybrid Artificial Solid Electrolyte Interphase. *Chemistry of Materials*, **2017**, 29, 6298-6307	9.6	124
141	Convex polyhedral Au@Pd core-shell nanocrystals with high-index facets. *Angewandte Chemie - International Edition*, **2012**, 51, 159-63	16.4	123
140	Size-Based Protein Separations in Poly(ethylene glycol)-Derivatized Gold Nanotubule Membranes. *Nano Letters*, **2001**, 1, 495-498	11.5	123
139	Superior pseudocapacitive behavior of confined lignin nanocrystals for renewable energy-storage materials. *ChemSusChem*, **2014**, 7, 1094-101	8.3	116
138	Polydopamine microfluidic system toward a two-dimensional, gravity-driven mixing device. *Angewandte Chemie - International Edition*, **2012**, 51, 6126-30	16.4	115
137	Synthesis and characterization of RuO(2)/poly(3,4-ethylenedioxythiophene) composite nanotubes for supercapacitors. *Physical Chemistry Chemical Physics*, **2010**, 12, 4309-16	3.6	112
136	Surface-enhanced Raman scattering of p-aminobenzoic acid at silver electrode. *The Journal of Physical Chemistry*, **1990**, 94, 7576-7580		112
135	High to ultra-high power electrical energy storage. *Physical Chemistry Chemical Physics*, **2011**, 13, 20714-23	3.6	109
134	Guest-induced reorganization of a self-assembled Pd(II) complex. *Tetrahedron Letters*, **1998**, 39, 873-876	2	108
133	Activation of a MnO2 cathode by water-stimulated Mg(2+) insertion for a magnesium ion battery. *Physical Chemistry Chemical Physics*, **2015**, 17, 5256-64	3.6	105
132	Template synthesis of multifunctional nanotubes for controlled release. *Journal of Controlled Release*, **2006**, 114, 143-52	11.7	102

131	Electromodulated molecular transport in gold-nanotube membranes. *Journal of the American Chemical Society*, **2002**, 124, 11850-1	16.4	98
130	Synthetic single-nanopore and nanotube membranes. *Analytical Chemistry*, **2003**, 75, 6861-7	7.8	97
129	Enhanced pseudocapacitance of ionic liquid/cobalt hydroxide nanohybrids. *ACS Nano*, **2013**, 7, 2453-60	16.7	91
128	Electrochemical Synthesis and Fast Electrochromics of Poly(3,4-ethylenedioxythiophene) Nanotubes in Flexible Substrate. *Chemistry of Materials*, **2005**, 17, 4564-4566	9.6	88
127	Polyoxometalate-coupled Graphene via Polymeric Ionic Liquid Linker for Supercapacitors. *Advanced Functional Materials*, **2014**, 24, 7301-7309	15.6	87
126	Gold nanoparticle silica nanopeapods. *Journal of the American Chemical Society*, **2014**, 136, 3833-41	16.4	87
125	Electrophoretic protein transport in gold nanotube membranes. *Analytical Chemistry*, **2003**, 75, 1239-44	7.8	85
124	Coaxial RuO₂/ITO nanopillars for transparent supercapacitor application. *Langmuir*, **2014**, 30, 1704-9	4	83
123	Inorganic hollow nanoparticles and nanotubes in nanomedicine Part 2: Imaging, diagnostic, and therapeutic applications. *Drug Discovery Today*, **2007**, 12, 657-63	8.8	82
122	Electrochemical formation mechanism for the controlled synthesis of heterogeneous MnO2/Poly(3,4-ethylenedioxythiophene) nanowires. *ACS Nano*, **2011**, 5, 5608-19	16.7	79
121	Facile Synthesis of Highly Electrocapacitive Nitrogen-Doped Graphitic Porous Carbons. *Journal of Physical Chemistry C*, **2014**, 118, 9357-9367	3.8	71
120	High-capacity lithium sulfur battery and beyond: a review of metal anode protection layers and perspective of solid-state electrolytes. *Journal of Materials Science*, **2019**, 54, 3671-3693	4.3	70
119	Suspension array with shape-coded silica nanotubes for multiplexed immunoassays. *Analytical Chemistry*, **2007**, 79, 5257-63	7.8	69
118	Three-Dimensional Solid-State Lithium-Ion Batteries Fabricated by Conformal Vapor-Phase Chemistry. *ACS Nano*, **2018**, 12, 4286-4294	16.7	68
117	High quality reduced graphene oxide through repairing with multi-layered graphene ball nanostructures. *Scientific Reports*, **2013**, 3, 3251	4.9	67
116	Direct Observation of Wetting and Diffusion in the Hydrophobic Interior of Silica Nanotubes. *Nano Letters*, **2004**, 4, 233-239	11.5	65
115	Surface-enhanced Raman scattering of o-mercaptobenzoic acid in silver sol. *Journal of Raman Spectroscopy*, **1991**, 22, 811-817	2.3	65
114	Dual-template ordered mesoporous carbon/Fe2O3 nanowires as lithium-ion battery anodes. *Nanoscale*, **2016**, 8, 12958-69	7.7	64

113	Shape-coded silica nanotubes for biosensing. *Langmuir*, **2006**, 22, 8263-5	4	62
112	TEM-based metrology for HfO2 layers and nanotubes formed in anodic aluminum oxide nanopore structures. *Small*, **2008**, 4, 1223-32	11	60
111	Atomic Layer Deposition and in Situ Characterization of Ultraclean Lithium Oxide and Lithium Hydroxide. *Journal of Physical Chemistry C*, **2014**, 118, 27749-27753	3.8	58
110	DMSO-Li2O2 Interface in the Rechargeable Li-O2 Battery Cathode: Theoretical and Experimental Perspectives on Stability. *ACS Applied Materials & Interfaces*, **2015**, 7, 11402-11	9.5	57
109	Nanoengineering strategies for metal-insulator-metal electrostatic nanocapacitors. *ACS Nano*, **2012**, 6, 3528-36	16.7	57
108	Three-Dimensional Expanded Graphene-Metal Oxide Film via Solid-State Microwave Irradiation for Aqueous Asymmetric Supercapacitors. *ACS Applied Materials & Interfaces*, **2015**, 7, 22364-71	9.5	50
107	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. *Angewandte Chemie*, **2016**, 128, 10052-10055	3.6	50
106	Kinetically controlled growth of polyhedral bimetallic alloy nanocrystals exclusively bound by high-index facets: Au-Pd hexoctahedra. *Small*, **2013**, 9, 660-5	11	50
105	Controlling the Transport Properties of Gold Nanotubule Membranes Using Chemisorbed Thiols. *Chemistry of Materials*, **2001**, 13, 3236-3244	9.6	50
104	Multistep hierarchical self-assembly of chiral nanopore arrays. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14342-7	11.5	49
103	Investigation of the Cathode Catalyst Electrolyte Interface in Aprotic Li O2 Batteries. *Chemistry of Materials*, **2015**, 27, 5305-5313	9.6	47
102	MnO2/TiN heterogeneous nanostructure design for electrochemical energy storage. *Physical Chemistry Chemical Physics*, **2011**, 13, 15221-6	3.6	47
101	Synthesis of superparamagnetic nanotubes as MRI contrast agents and for cell labeling. *Nanomedicine*, **2008**, 3, 163-74	5.6	47
100	Controlled gold nanoparticle diffusion in nanotubes: Platfom of partial functionalization and gold capping. *Journal of the American Chemical Society*, **2006**, 128, 15974-5	16.4	47
99	Solid Electrolyte Lithium Phosphous Oxynitride as a Protective Nanocladding Layer for 3D High-Capacity Conversion Electrodes. *ACS Nano*, **2016**, 10, 2693-701	16.7	43
98	Observing capillarity in hydrophobic silica nanotubes. *Journal of the American Chemical Society*, **2005**, 127, 17385-92	16.4	43
97	Electrochemical synthesis of poly(3,4-ethylenedioxythiophene) nanotubes towards fast window-type electrochromic devices. *Nanotechnology*, **2007**, 18, 405705	3.4	41
96	Dual-template synthesis of ordered mesoporous carbon/Fe2O3 nanowires: high porosity and structural stability for supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 21501-21510	13	38

95	Encapsulation of small organic molecules by a self-assembled molecular capsule through charged hydrogen bonding interaction. *Tetrahedron Letters*, **1996**, 37, 8501-8504	2	38
94	Raman spectroscopy of 4-(methylthio)benzoic acid adsorbed on silver surfaces. *Journal of Molecular Structure*, **1994**, 318, 25-35	3.4	38
93	Controlled electrochemical deposition and transformation of hetero-nanoarchitectured electrodes for energy storage. *Physical Chemistry Chemical Physics*, **2013**, 15, 7976-93	3.6	36
92	Capacitance behavior of ordered mesoporous carbon/Fe2O3 composites: Comparison between 1D cylindrical, 2D hexagonal, and 3D bicontinuous mesostructures. *Carbon*, **2015**, 93, 903-914	10.4	35
91	Alignment of helical nanofilaments on the surfaces of various self-assembled monolayers. *Soft Matter*, **2013**, 9, 6185	3.6	34
90	Investigation of the signaling mechanism and verification of the performance of an electrochemical real-time PCR system based on the interaction of methylene blue with DNA. *Analyst, The*, **2011**, 136, 1573-9	5	34
89	Mechanical capping of silica nanotubes for encapsulation of molecules. *Journal of the American Chemical Society*, **2009**, 131, 15574-5	16.4	32
88	Li3PO4 Matrix Enables a Long Cycle Life and High Energy Efficiency Bismuth-Based Battery. *Nano Letters*, **2016**, 16, 5875-82	11.5	31
87	Profile evolution for conformal atomic layer deposition over nanotopography. *ACS Nano*, **2010**, 4, 4637-44	16.7	31
86	Highly Reversible Conversion-Type FeOF Composite Electrode with Extended Lithium Insertion by Atomic Layer Deposition LiPON Protection. *Chemistry of Materials*, **2017**, 29, 8780-8791	9.6	29
85	Electrochemically Controlled Solid Electrolyte Interphase Layers Enable Superior Li-S Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 24554-24563	9.5	29
84	Perspective: hybrid systems combining electrostatic and electrochemical nanostructures for ultrahigh power energy storage. *Energy and Environmental Science*, **2013**, 6, 2578	35.4	29
83	Nanodetoxification: emerging role of nanomaterials in drug intoxication treatment. *Nanomedicine*, **2011**, 6, 921-8	5.6	29
82	Syndiotactic polystyrene nanofibrils in silica nanotube reactors: understanding of synthesis with ultrahigh molecular weight. *Journal of the American Chemical Society*, **2008**, 130, 3920-6	16.4	27
81	Nanoscale Protection Layers To Mitigate Degradation in High-Energy Electrochemical Energy Storage Systems. *Accounts of Chemical Research*, **2018**, 51, 97-106	24.3	25
80	Role of boric acid in nickel nanotube electrodeposition: a surface-directed growth mechanism. *Chemical Communications*, **2014**, 50, 527-9	5.8	25
79	Reshaping nanocrystals for tunable plasmonic substrates. *ACS Applied Materials & Interfaces*, **2012**, 4, 5038-43	9.5	23
78	Convex Polyhedral Au@Pd Core–Shell Nanocrystals with High-Index Facets. *Angewandte Chemie*, **2012**, 124, 163-167	3.6	22

77	Shape-coded silica nanotubes for multiplexed bioassay: rapid and reliable magnetic decoding protocols. *Nanomedicine*, **2010**, 5, 77-88	5.6	22
76	Protocols for Evaluating and Reporting Li-O2 Cell Performance. *Journal of Physical Chemistry Letters*, **2016**, 7, 211-5	6.4	21
75	Enhanced electrochemical stability of high-voltage LiNi0.5Mn1.5O4 cathode by surface modification using atomic layer deposition. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	21
74	Co-electrodeposition of RuO2-MnO2 nanowires and the contribution of RuO2 to the capacitance increase. *Physical Chemistry Chemical Physics*, **2015**, 17, 15173-80	3.6	21
73	Electrochemical Thin Layers in Nanostructures for Energy Storage. *Accounts of Chemical Research*, **2016**, 49, 2336-2346	24.3	20
72	Enrichment of plasma membrane proteins using nanoparticle pellicles: comparison between silica and higher density nanoparticles. *Journal of Proteome Research*, **2013**, 12, 1134-41	5.6	20
71	Current trends in magnetic particle enrichment for mass spectrometry-based analysis of cardiovascular protein biomarkers. *Nanomedicine*, **2015**, 10, 433-46	5.6	19
70	Quantification of cardiac troponin I in human plasma by immunoaffinity enrichment and targeted mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 2805-2813	4.4	19
69	Highly encoded one-dimensional nanostructures for rapid sensing. *Journal of Materials Chemistry*, **2009**, 19, 1381-1389		19
68	High performance asymmetric VO-SnO nanopore battery by atomic layer deposition. *Nanoscale*, **2017**, 9, 11566-11573	7.7	18
67	Synthesis and photocatalytic properties of Cu2S-Pd4S hybrid nanoplates. *Chemistry - A European Journal*, **2012**, 18, 5874-8	4.8	18
66	Electrochemical reduction of organic sulfides investigated by Raman spectroscopy. *The Journal of Physical Chemistry*, **1992**, 96, 9940-9943		18
65	Investigation of the water-stimulated Mg insertion mechanism in an electrodeposited MnO cathode using X-ray photoelectron spectroscopy. *Physical Chemistry Chemical Physics*, **2018**, 20, 2517-2526	3.6	17
64	Redox-exchange induced heterogeneous RuO2-conductive polymer nanowires. *Physical Chemistry Chemical Physics*, **2014**, 16, 12332-40	3.6	17
63	Effects on silver-surface-enhanced Raman spectroscopy by competitive adsorption of hydroxide and halide ions. *Chemical Physics*, **1992**, 161, 265-272	2.3	16
62	Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. *Journal of Physical Chemistry C*, **2010**, 114, 7774-7779	3.8	15
61	Multidimensional Helical Nanostructures in Multiscale Nanochannels. *Langmuir*, **2015**, 31, 8156-61	4	14
60	Linkage-length dependent structuring behaviour of bent-core molecules in helical nanostructures. *Soft Matter*, **2016**, 12, 3326-30	3.6	14

59	From nanoscience to solutions in electrochemical energy storage. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2013**, 31, 058503	2.9	14
58	Polyoxometalate-mediated one-pot synthesis of Pd nanocrystals with controlled morphologies for efficient chemical and electrochemical catalysis. *Chemistry - A European Journal*, **2015**, 21, 5387-94	4.8	14
57	Directed patterning of the self-assembled silk-elastin-like nanofibers using a nanomechanical stimulus. *Chemical Communications*, **2012**, 48, 10654-6	5.8	14
56	Peptide-based systems analysis of inflammation induced myeloid-derived suppressor cells reveals diverse signaling pathways. *Proteomics*, **2016**, 16, 1881-8	4.8	14
55	Analytical Methodologies for the Determination of Organoarsenicals in Edible Marine Species: A Review. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1910-1934	5.7	13
54	Pascalammetry with operando microbattery probes: Sensing high stress in solid-state batteries. *Science Advances*, **2018**, 4, eaas8927	14.3	13
53	Hydrophobic end-gated silica nanotubes for intracellular glutathione-stimulated drug delivery in drug-resistant cancer cells. *Chemical Communications*, **2013**, 49, 3194-6	5.8	13
52	Kinetics of Styrene Polymerization to Syndiotactic Polystyrene over Metallocene Catalyst on Flat Surface, Silica Nanotube Reactors and Porous Silica Particles. *Macromolecules*, **2011**, 44, 1385-1392	5.5	13
51	Structure and vibrational properties of methanethiolate adsorbed on silver. *Journal of Molecular Structure*, **1993**, 296, 5-13	3.4	13
50	New science at the meso frontier: Dense nanostructure architectures for electrical energy storage. *Current Opinion in Solid State and Materials Science*, **2015**, 19, 227-234	12	11
49	The reaction current distribution in battery electrode materials revealed by XPS-based state-of-charge mapping. *Physical Chemistry Chemical Physics*, **2016**, 18, 19093-102	3.6	11
48	Orientation control over bent-core smectic liquid crystal phases. *Liquid Crystals*, **2014**, 41, 328-341	2.3	11
47	Heterogeneous films of ordered CeO(2)/Ni concentric nanostructures for fuel cell applications. *Physical Chemistry Chemical Physics*, **2010**, 12, 4295-300	3.6	11
46	A new water-soluble bowl-shaped host by metal-induced self-assembly. *Tetrahedron Letters*, **1998**, 39, 4317-4320	2	11
45	Tin Oxynitride Anodes by Atomic Layer Deposition for Solid-State Batteries. *Chemistry of Materials*, **2018**, 30, 2526-2534	9.6	10
44	Quantification of antibody coupled to magnetic particles by targeted mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 8325-8332	4.4	10
43	Anodization control for barrier-oxide thinning and 3D interconnected pores and direct electrodeposition of nanowire networks on native aluminium substrates. *Physical Chemistry Chemical Physics*, **2015**, 17, 3873-9	3.6	9
42	The reversible anomalous high lithium capacity of MnO□hanowires. *Chemical Communications*, **2014**, 50, 7352-5	5.8	9

41	Anodized pore structural evolution of focused ion beam patterned Al: direct analysis of branched nanopores and nanosacks. *Physical Chemistry Chemical Physics*, **2013**, 15, 10659-65	3.6	9
40	Improved transport of nucleotide monophosphates by lipophilicphosphonium–nucleobase conjugates. *Chemical Communications*, **1997**, 1061-1062	5.8	9
39	A ligand-gated ion-channel mimetic nanopore membrane with an on-board transmembrane microbattery. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 239-44	1.3	9
38	One-pot synthesis of Pd@Pt core–shell nanocrystals for electrocatalysis: control of crystal morphology with polyoxometalate. *CrystEngComm*, **2016**, 18, 6029-6034	3.3	8
37	Nucleation and growth of a helical nanofilament (B4) liquid-crystal phase confined in nanobowls. *Soft Matter*, **2015**, 11, 7778-82	3.6	7
36	Li-Containing Organic Thin Film Structure of Lithium Propane Dioxide via Molecular Layer Deposition. *Journal of Physical Chemistry C*, **2020**, 124, 6830-6837	3.8	7
35	Hydrogen lithography for nanomagnetic domain on Co-doped ZnO using an anodic aluminum oxide template. *Applied Physics Letters*, **2014**, 104, 052405	3.4	7
34	A facile and convenient synthesis of 2-(arylthio)thiophenes, 2-(alkylthio)thiophene, and 2-(thiophenylthio)thiophene. *Tetrahedron Letters*, **1995**, 36, 8439-8442	2	7
33	Determination of total arsenic and hydrophilic arsenic species in seafood. *Journal of Food Composition and Analysis*, **2020**, 96, 103729-103729	4.1	7
32	Interconnected mesoporous VO electrode: impact on lithium ion insertion rate. *Physical Chemistry Chemical Physics*, **2016**, 18, 30605-30611	3.6	6
31	Conductive polymer nanotube patch for fast and controlled ex vivo transdermal drug delivery. *Nanomedicine*, **2014**, 9, 2263-72	5.6	6
30	Electrochemical synthesis and one step modification of PMProDot nanotubes and their enhanced electrochemical properties. *Chemical Communications*, **2012**, 48, 2725-7	5.8	6
29	Probing Porous Structure of Single Manganese Oxide Mesorods with Ionic Current. *Journal of Physical Chemistry C*, **2013**, 117, 24836-24842	3.8	6
28	Nanotoxicology: toxicity and biological effects of nanoparticles for new evaluation standards. *Nanomedicine*, **2011**, 6, 759-61	5.6	6
27	A platform for ultrasensitive and selective multiplexed marker protein assay toward early-stage cancer diagnosis. *Nanomedicine*, **2007**, 2, 79-82	5.6	6
26	Polymer-based electrolytes for all-solid-state lithium–sulfur batteries: from fundamental research to performance improvement. *Journal of Materials Science*, **2021**, 56, 8358-8382	4.3	6
25	Short-term effects of ultrahigh concentration cationic silica nanoparticles on cell internalization, cytotoxicity, and cell integrity with human breast cancer cell line (MCF-7). *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	5
24	Probing the electrical double layer by operando X-ray photoelectron spectroscopy through a graphene-carbon nanotube composite window. *EcoMat*, **2020**, 2, e12023	9.4	5

23	Mg ion-catalyzed polymerization of 1,3-dioxolane in battery electrolytes. *Chemical Communications*, **2020**, 56, 4583-4586	5.8	5
22	Fabrication of nanoassemblies using flow control. *Nano Letters*, **2013**, 13, 3936-41	11.5	5
21	Li+ selective encapsulation through the intramolecular hydrogen-bonding gate. *Tetrahedron Letters* , **1997**, 38, 8713-8716	2	5
20	Ionic conductivity of a single porous MnO2 mesorod at controlled oxidation states. *Journal of Materials Chemistry A*, **2015**, 3, 12858-12863	13	4
19	Growth of Polyethylene Nanofibrils Over rac-Et(Indenyl)2ZrCl2/MAO Catalyst Supported on Silica Nanotubes. *Macromolecular Reaction Engineering*, **2015**, 9, 570-578	1.5	4
18	Relative binding affinities of alkali metal cations to. *Journal of Organic Chemistry*, **2000**, 65, 536-42	4.2	4
17	Enhancing Lithium Insertion with Electrostatic Nanoconfinement in a Lithography Patterned Precision Cell. *ACS Nano*, **2019**, 13, 8481-8489	16.7	3
16	Nanowire pellicles for eukaryotic cells: nanowire coating and interaction with cells. *Nanomedicine*, **2014**, 9, 1171-80	5.6	2
15	Mechanisms of Water-Stimulated Mg2+ Intercalation in Vanadium Oxide: Toward the Development of Hydrated Vanadium Oxide Cathodes for Mg Batteries. *Frontiers in Energy Research*, **2021**, 8,	3.8	2
14	Al2O3 Thin Films on Magnesium: Assessing the Impact of an Artificial Solid Electrolyte Interphase. *Frontiers in Energy Research*, **2021**, 9,	3.8	2
13	Impact of pore size, interconnections, and dynamic conductivity on the electrochemistry of vanadium pentoxide in well defined porous structures. *Physical Chemistry Chemical Physics*, **2018**, 20, 29708-29716	3.6	2
12	Improvement of the Electrochemical Performance of LiNiCoMnO via Atomic Layer Deposition of Lithium-Rich Zirconium Phosphate Coatings.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61733-61741	9.5	2
11	Electrode Degradation Study of Vertically Aligned Carbon Nanotubes on a 3D Integrated Current Collector. *Journal of the Electrochemical Society*, **2015**, 162, A2372-A2377	3.9	1
10	A flexible mesofiber-based fast current collector. *Journal of Materials Science*, **2020**, 55, 11391-11402	4.3	1
9	Comparison of nanowire pellicles for plasma membrane enrichment: coating nanowires on cell. *Journal of Nanoparticle Research*, **2013**, 15, 2133	2.3	1
8	Alloy Nanocrystals: Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by High-Index Facets: AuPd Hexoctahedra (Small 5/2013). *Small*, **2013**, 9, 646-646	11	1
7	Silica Nanotube Reactors for Catalytic Polymerization of Styrene and Olefins. *Macromolecular Symposia*, **2010**, 289, 25-32	0.8	1
6	Solvent behavior in hydrophobic silica nanotubes. *Materials Research Society Symposia Proceedings*, **2005**, 899, 1		1

5	Dual Effect of Structure and Hydration on Magnesium-Ion Insertion into Electrodeposited V2O5 Thin Films. *Journal of the Electrochemical Society*, **2020**, 167, 110523	3.9	1
4	Nanoscale Li, Na, and K ion-conducting polyphosphazenes by atomic layer deposition.. *Dalton Transactions*, **2022**,	4.3	1
3	Hot and Cold Pressed LGPS Solid Electrolytes. *Journal of the Electrochemical Society*, **2021**, 168, 010533	3.9	1
2	An Electrochemically Polymerized Protective Layer for a Magnesium Metal Anode. *ACS Applied Energy Materials*, **2022**, 5, 2613-2620	6.1	1
1	Geometrically Constrained Polymerization of Styrene Over Heterogeneous Catalyst Layer in Silica Nanotube Reactors. *Polymer Engineering and Science*, **2020**, 60, 700-709	2.3	0