

Sang Bok Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nanoscale Li, Na, and K ion-conducting polyphosphazenes by atomic layer deposition.. <i>Dalton Transactions</i> , 2022 ,	4.3	1
165	An Electrochemically Polymerized Protective Layer for a Magnesium Metal Anode. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2613-2620	6.1	1
164	Mechanisms of Water-Stimulated Mg ²⁺ Intercalation in Vanadium Oxide: Toward the Development of Hydrated Vanadium Oxide Cathodes for Mg Batteries. <i>Frontiers in Energy Research</i> , 2021 , 8,	3.8	2
163	Hot and Cold Pressed LGPS Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 010533	3.9	1
162	Al ₂ O ₃ Thin Films on Magnesium: Assessing the Impact of an Artificial Solid Electrolyte Interphase. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	2
161	Polymer-based electrolytes for all-solid-state lithium-sulfur batteries: from fundamental research to performance improvement. <i>Journal of Materials Science</i> , 2021 , 56, 8358-8382	4.3	6
160	Improvement of the Electrochemical Performance of LiNiCoMnO via Atomic Layer Deposition of Lithium-Rich Zirconium Phosphate Coatings.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61733-61741	9.5	2
159	Probing the electrical double layer by operando X-ray photoelectron spectroscopy through a graphene-carbon nanotube composite window. <i>EcoMat</i> , 2020 , 2, e12023	9.4	5
158	A flexible mesofiber-based fast current collector. <i>Journal of Materials Science</i> , 2020 , 55, 11391-11402	4.3	1
157	Mg ion-catalyzed polymerization of 1,3-dioxolane in battery electrolytes. <i>Chemical Communications</i> , 2020 , 56, 4583-4586	5.8	5
156	Li-Containing Organic Thin Film Structure of Lithium Propane Dioxide via Molecular Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6830-6837	3.8	7
155	Analytical Methodologies for the Determination of Organoarsenicals in Edible Marine Species: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1910-1934	5.7	13
154	Dual Effect of Structure and Hydration on Magnesium-Ion Insertion into Electrodeposited V ₂ O ₅ Thin Films. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 110523	3.9	1
153	Geometrically Constrained Polymerization of Styrene Over Heterogeneous Catalyst Layer in Silica Nanotube Reactors. <i>Polymer Engineering and Science</i> , 2020 , 60, 700-709	2.3	0
152	Determination of total arsenic and hydrophilic arsenic species in seafood. <i>Journal of Food Composition and Analysis</i> , 2020 , 96, 103729-103729	4.1	7
151	Enhancing Lithium Insertion with Electrostatic Nanoconfinement in a Lithography Patterned Precision Cell. <i>ACS Nano</i> , 2019 , 13, 8481-8489	16.7	3
150	High-capacity lithium sulfur battery and beyond: a review of metal anode protection layers and perspective of solid-state electrolytes. <i>Journal of Materials Science</i> , 2019 , 54, 3671-3693	4.3	70

149	Quantification of cardiac troponin I in human plasma by immunoaffinity enrichment and targeted mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2805-2813	4.4	19
148	Three-Dimensional Solid-State Lithium-Ion Batteries Fabricated by Conformal Vapor-Phase Chemistry. <i>ACS Nano</i> , 2018 , 12, 4286-4294	16.7	68
147	Nanoscale Protection Layers To Mitigate Degradation in High-Energy Electrochemical Energy Storage Systems. <i>Accounts of Chemical Research</i> , 2018 , 51, 97-106	24.3	25
146	Investigation of the water-stimulated Mg insertion mechanism in an electrodeposited MnO cathode using X-ray photoelectron spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 2517-2526	3.6	17
145	Tin Oxynitride Anodes by Atomic Layer Deposition for Solid-State Batteries. <i>Chemistry of Materials</i> , 2018 , 30, 2526-2534	9.6	10
144	Electrochemically Controlled Solid Electrolyte Interphase Layers Enable Superior Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24554-24563	9.5	29
143	Pascalammety with operando microbattery probes: Sensing high stress in solid-state batteries. <i>Science Advances</i> , 2018 , 4, eaas8927	14.3	13
142	Impact of pore size, interconnections, and dynamic conductivity on the electrochemistry of vanadium pentoxide in well defined porous structures. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29708-29716	3.6	2
141	Highly Reversible Conversion-Type FeOF Composite Electrode with Extended Lithium Insertion by Atomic Layer Deposition LiPON Protection. <i>Chemistry of Materials</i> , 2017 , 29, 8780-8791	9.6	29
140	High performance asymmetric VO-SnO nanopore battery by atomic layer deposition. <i>Nanoscale</i> , 2017 , 9, 11566-11573	7.7	18
139	Stabilization of Lithium Metal Anodes by Hybrid Artificial Solid Electrolyte Interphase. <i>Chemistry of Materials</i> , 2017 , 29, 6298-6307	9.6	124
138	Li3PO4 Matrix Enables a Long Cycle Life and High Energy Efficiency Bismuth-Based Battery. <i>Nano Letters</i> , 2016 , 16, 5875-82	11.5	31
137	Electrochemical Thin Layers in Nanostructures for Energy Storage. <i>Accounts of Chemical Research</i> , 2016 , 49, 2336-2346	24.3	20
136	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. <i>Angewandte Chemie</i> , 2016 , 128, 10052-10055	5.5	50
135	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9898-901	16.4	168
134	Interconnected mesoporous VO electrode: impact on lithium ion insertion rate. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30605-30611	3.6	6
133	The reaction current distribution in battery electrode materials revealed by XPS-based state-of-charge mapping. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19093-102	3.6	11
132	Dual-template ordered mesoporous carbon/Fe2O3 nanowires as lithium-ion battery anodes. <i>Nanoscale</i> , 2016 , 8, 12958-69	7.7	64

131	Linkage-length dependent structuring behaviour of bent-core molecules in helical nanostructures. <i>Soft Matter</i> , 2016 , 12, 3326-30	3.6	14
130	Protocols for Evaluating and Reporting Li-O ₂ Cell Performance. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 211-5	6.4	21
129	Solid Electrolyte Lithium Phosphous Oxynitride as a Protective Nanocladding Layer for 3D High-Capacity Conversion Electrodes. <i>ACS Nano</i> , 2016 , 10, 2693-701	16.7	43
128	One-pot synthesis of Pd@Pt core-shell nanocrystals for electrocatalysis: control of crystal morphology with polyoxometalate. <i>CrystEngComm</i> , 2016 , 18, 6029-6034	3.3	8
127	Peptide-based systems analysis of inflammation induced myeloid-derived suppressor cells reveals diverse signaling pathways. <i>Proteomics</i> , 2016 , 16, 1881-8	4.8	14
126	Mapping the Challenges of Magnesium Battery. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 1736-49	6.4	166
125	Quantification of antibody coupled to magnetic particles by targeted mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8325-8332	4.4	10
124	Short-term effects of ultrahigh concentration cationic silica nanoparticles on cell internalization, cytotoxicity, and cell integrity with human breast cancer cell line (MCF-7). <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	5
123	Capacitance behavior of ordered mesoporous carbon/Fe ₂ O ₃ composites: Comparison between 1D cylindrical, 2D hexagonal, and 3D bicontinuous mesostructures. <i>Carbon</i> , 2015 , 93, 903-914	10.4	35
122	Multidimensional Helical Nanostructures in Multiscale Nanochannels. <i>Langmuir</i> , 2015 , 31, 8156-61	4	14
121	Investigation of the Cathode Catalyst Electrolyte Interface in Aprotic Li-O ₂ Batteries. <i>Chemistry of Materials</i> , 2015 , 27, 5305-5313	9.6	47
120	New science at the meso frontier: Dense nanostructure architectures for electrical energy storage. <i>Current Opinion in Solid State and Materials Science</i> , 2015 , 19, 227-234	12	11
119	DMSO-Li ₂ O ₂ Interface in the Rechargeable Li-O ₂ Battery Cathode: Theoretical and Experimental Perspectives on Stability. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11402-11	9.5	57
118	Current trends in magnetic particle enrichment for mass spectrometry-based analysis of cardiovascular protein biomarkers. <i>Nanomedicine</i> , 2015 , 10, 433-46	5.6	19
117	Anodization control for barrier-oxide thinning and 3D interconnected pores and direct electrodeposition of nanowire networks on native aluminium substrates. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3873-9	3.6	9
116	Electrode Degradation Study of Vertically Aligned Carbon Nanotubes on a 3D Integrated Current Collector. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2372-A2377	3.9	1
115	Dual-template synthesis of ordered mesoporous carbon/Fe ₂ O ₃ nanowires: high porosity and structural stability for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21501-21510	13	38
114	Enhancing the reversibility of Mg/S battery chemistry through Li(+) mediation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12388-93	16.4	185

113	Nucleation and growth of a helical nanofilament (B4) liquid-crystal phase confined in nanobowls. <i>Soft Matter</i> , 2015 , 11, 7778-82	3.6	7
112	Ionic conductivity of a single porous MnO ₂ mesorod at controlled oxidation states. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12858-12863	13	4
111	Three-Dimensional Expanded Graphene-Metal Oxide Film via Solid-State Microwave Irradiation for Aqueous Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22364-71	9.5	50
110	Growth of Polyethylene Nanofibrils Over <i>rac</i> -Et(Indenyl) ₂ ZrCl ₂ /MAO Catalyst Supported on Silica Nanotubes. <i>Macromolecular Reaction Engineering</i> , 2015 , 9, 570-578	1.5	4
109	Co-electrodeposition of RuO ₂ -MnO ₂ nanowires and the contribution of RuO ₂ to the capacitance increase. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15173-80	3.6	21
108	Polyoxometalate-mediated one-pot synthesis of Pd nanocrystals with controlled morphologies for efficient chemical and electrochemical catalysis. <i>Chemistry - A European Journal</i> , 2015 , 21, 5387-94	4.8	14
107	Activation of a MnO ₂ cathode by water-stimulated Mg(2+) insertion for a magnesium ion battery. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5256-64	3.6	105
106	Orientation control over bent-core smectic liquid crystal phases. <i>Liquid Crystals</i> , 2014 , 41, 328-341	2.3	11
105	Role of boric acid in nickel nanotube electrodeposition: a surface-directed growth mechanism. <i>Chemical Communications</i> , 2014 , 50, 527-9	5.8	25
104	An all-in-one nanopore battery array. <i>Nature Nanotechnology</i> , 2014 , 9, 1031-9	28.7	164
103	Conductive polymer nanotube patch for fast and controlled ex vivo transdermal drug delivery. <i>Nanomedicine</i> , 2014 , 9, 2263-72	5.6	6
102	The reversible anomalous high lithium capacity of MnO nanowires. <i>Chemical Communications</i> , 2014 , 50, 7352-5	5.8	9
101	Enhanced electrochemical stability of high-voltage LiNi _{0.5} Mn _{1.5} O ₄ cathode by surface modification using atomic layer deposition. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	21
100	Coaxial RuO ₂ /TO nanopillars for transparent supercapacitor application. <i>Langmuir</i> , 2014 , 30, 1704-9	4	83
99	Multistep hierarchical self-assembly of chiral nanopore arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14342-7	11.5	49
98	Polyoxometalate-coupled Graphene via Polymeric Ionic Liquid Linker for Supercapacitors. <i>Advanced Functional Materials</i> , 2014 , 24, 7301-7309	15.6	87
97	Gold nanoparticle silica nanopeapods. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3833-41	16.4	87
96	Facile Synthesis of Highly Electrocapacitive Nitrogen-Doped Graphitic Porous Carbons. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9357-9367	3.8	71

95	Redox-exchange induced heterogeneous RuO ₂ -conductive polymer nanowires. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12332-40	3.6	17
94	Hydrogen lithography for nanomagnetic domain on Co-doped ZnO using an anodic aluminum oxide template. <i>Applied Physics Letters</i> , 2014 , 104, 052405	3.4	7
93	Superior pseudocapacitive behavior of confined lignin nanocrystals for renewable energy-storage materials. <i>ChemSusChem</i> , 2014 , 7, 1094-101	8.3	116
92	Atomic Layer Deposition and in Situ Characterization of Ultraclean Lithium Oxide and Lithium Hydroxide. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27749-27753	3.8	58
91	Nanowire pellicles for eukaryotic cells: nanowire coating and interaction with cells. <i>Nanomedicine</i> , 2014 , 9, 1171-80	5.6	2
90	Fabrication of nanoassemblies using flow control. <i>Nano Letters</i> , 2013 , 13, 3936-41	11.5	5
89	Perspective: hybrid systems combining electrostatic and electrochemical nanostructures for ultrahigh power energy storage. <i>Energy and Environmental Science</i> , 2013 , 6, 2578	35.4	29
88	From nanoscience to solutions in electrochemical energy storage. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 058503	2.9	14
87	Self-limiting electrodeposition of hierarchical MnO ₂ and Mn(OH) ₂ /MnO ₂ nanofibril/nanowires: mechanism and supercapacitor properties. <i>ACS Nano</i> , 2013 , 7, 1200-14	16.7	237
86	Enrichment of plasma membrane proteins using nanoparticle pellicles: comparison between silica and higher density nanoparticles. <i>Journal of Proteome Research</i> , 2013 , 12, 1134-41	5.6	20
85	Hydrophobic end-gated silica nanotubes for intracellular glutathione-stimulated drug delivery in drug-resistant cancer cells. <i>Chemical Communications</i> , 2013 , 49, 3194-6	5.8	13
84	Controlled electrochemical deposition and transformation of hetero-nanoarchitected electrodes for energy storage. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7976-93	3.6	36
83	Alignment of helical nanofilaments on the surfaces of various self-assembled monolayers. <i>Soft Matter</i> , 2013 , 9, 6185	3.6	34
82	Natural cellulose fiber as substrate for supercapacitor. <i>ACS Nano</i> , 2013 , 7, 6037-46	16.7	267
81	Anodized pore structural evolution of focused ion beam patterned Al: direct analysis of branched nanopores and nanosacks. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10659-65	3.6	9
80	Enhanced pseudocapacitance of ionic liquid/cobalt hydroxide nanohybrids. <i>ACS Nano</i> , 2013 , 7, 2453-60	16.7	91
79	High quality reduced graphene oxide through repairing with multi-layered graphene ball nanostructures. <i>Scientific Reports</i> , 2013 , 3, 3251	4.9	67
78	Probing Porous Structure of Single Manganese Oxide Mesorods with Ionic Current. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24836-24842	3.8	6

77	Comparison of nanowire pellicles for plasma membrane enrichment: coating nanowires on cell. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 2133	2.3	1
76	Kinetically controlled growth of polyhedral bimetallic alloy nanocrystals exclusively bound by high-index facets: Au-Pd hexoctahedra. <i>Small</i> , 2013 , 9, 660-5	11	50
75	Alloy Nanocrystals: Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by High-Index Facets: AuPd Hexoctahedra (Small 5/2013). <i>Small</i> , 2013 , 9, 646-646	11	1
74	Convex Polyhedral Au@Pd CoreShell Nanocrystals with High-Index Facets. <i>Angewandte Chemie</i> , 2012 , 124, 163-167	3.6	22
73	Convex polyhedral Au@Pd core-shell nanocrystals with high-index facets. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 159-63	16.4	123
72	Controlled synthesis of Pd-Pt alloy hollow nanostructures with enhanced catalytic activities for oxygen reduction. <i>ACS Nano</i> , 2012 , 6, 2410-9	16.7	316
71	Electrochemical synthesis and one step modification of PMProDot nanotubes and their enhanced electrochemical properties. <i>Chemical Communications</i> , 2012 , 48, 2725-7	5.8	6
70	Reshaping nanocrystals for tunable plasmonic substrates. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5038-43	9.5	23
69	Highly flexible pseudocapacitor based on freestanding heterogeneous MnO ₂ /conductive polymer nanowire arrays. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3329-37	3.6	142
68	Nanoengineering strategies for metal-insulator-metal electrostatic nanocapacitors. <i>ACS Nano</i> , 2012 , 6, 3528-36	16.7	57
67	Polydopamine microfluidic system toward a two-dimensional, gravity-driven mixing device. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6126-30	16.4	115
66	Synthesis and photocatalytic properties of Cu ₂ S-Pd ₄ S hybrid nanoplates. <i>Chemistry - A European Journal</i> , 2012 , 18, 5874-8	4.8	18
65	Directed patterning of the self-assembled silk-elastin-like nanofibers using a nanomechanical stimulus. <i>Chemical Communications</i> , 2012 , 48, 10654-6	5.8	14
64	Electrochemical formation mechanism for the controlled synthesis of heterogeneous MnO ₂ /Poly(3,4-ethylenedioxythiophene) nanowires. <i>ACS Nano</i> , 2011 , 5, 5608-19	16.7	79
63	Heterogeneous nanostructured electrode materials for electrochemical energy storage. <i>Chemical Communications</i> , 2011 , 47, 1384-404	5.8	419
62	Experimental considerations on the cytotoxicity of nanoparticles. <i>Nanomedicine</i> , 2011 , 6, 929-41	5.6	212
61	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. <i>Analyst, The</i> , 2011 , 136, 1573-9	5	34
60	MnO ₂ /TiN heterogeneous nanostructure design for electrochemical energy storage. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15221-6	3.6	47

59	High to ultra-high power electrical energy storage. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20714-2336	3.3	109
58	Nanotoxicology: toxicity and biological effects of nanoparticles for new evaluation standards. <i>Nanomedicine</i> , 2011 , 6, 759-61	5.6	6
57	Kinetics of Styrene Polymerization to Syndiotactic Polystyrene over Metallocene Catalyst on Flat Surface, Silica Nanotube Reactors and Porous Silica Particles. <i>Macromolecules</i> , 2011 , 44, 1385-1392	5.5	13
56	Nanodetoxification: emerging role of nanomaterials in drug intoxication treatment. <i>Nanomedicine</i> , 2011 , 6, 921-8	5.6	29
55	Shape-coded silica nanotubes for multiplexed bioassay: rapid and reliable magnetic decoding protocols. <i>Nanomedicine</i> , 2010 , 5, 77-88	5.6	22
54	Redox exchange induced MnO ₂ nanoparticle enrichment in poly(3,4-ethylenedioxythiophene) nanowires for electrochemical energy storage. <i>ACS Nano</i> , 2010 , 4, 4299-307	16.7	226
53	Structural, electrical, and optical properties of atomic layer deposition Al-doped ZnO films. <i>Journal of Applied Physics</i> , 2010 , 108, 043504	2.5	278
52	Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7774-7779	3.8	15
51	Profile evolution for conformal atomic layer deposition over nanotopography. <i>ACS Nano</i> , 2010 , 4, 4637-4646	46.7	31
50	Heterogeneous films of ordered CeO ₂ /Ni concentric nanostructures for fuel cell applications. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4295-300	3.6	11
49	Synthesis and characterization of RuO ₂ /poly(3,4-ethylenedioxythiophene) composite nanotubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4309-16	3.6	112
48	Silica Nanotube Reactors for Catalytic Polymerization of Styrene and Olefins. <i>Macromolecular Symposia</i> , 2010 , 289, 25-32	0.8	1
47	Nanotubular metal-insulator-metal capacitor arrays for energy storage. <i>Nature Nanotechnology</i> , 2009 , 4, 292-6	28.7	307
46	Mechanical capping of silica nanotubes for encapsulation of molecules. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15574-5	16.4	32
45	Highly encoded one-dimensional nanostructures for rapid sensing. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1381-1389		19
44	MnO ₂ /poly(3,4-ethylenedioxythiophene) coaxial nanowires by one-step coelectrodeposition for electrochemical energy storage. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2942-3	16.4	615
43	Cellular uptake and cytotoxicity of silica nanotubes. <i>Nano Letters</i> , 2008 , 8, 2150-4	11.5	186
42	Fast electrochemistry of conductive polymer nanotubes: synthesis, mechanism, and application. <i>Accounts of Chemical Research</i> , 2008 , 41, 699-707	24.3	362

41	Poly(3,4-ethylenedioxythiophene) nanotubes as electrode materials for a high-powered supercapacitor. <i>Nanotechnology</i> , 2008 , 19, 215710	3.4	184
40	Syndiotactic polystyrene nanofibrils in silica nanotube reactors: understanding of synthesis with ultrahigh molecular weight. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3920-6	16.4	27
39	TEM-based metrology for HfO ₂ layers and nanotubes formed in anodic aluminum oxide nanopore structures. <i>Small</i> , 2008 , 4, 1223-32	11	60
38	Synthesis of superparamagnetic nanotubes as MRI contrast agents and for cell labeling. <i>Nanomedicine</i> , 2008 , 3, 163-74	5.6	47
37	Suspension array with shape-coded silica nanotubes for multiplexed immunoassays. <i>Analytical Chemistry</i> , 2007 , 79, 5257-63	7.8	69
36	Controlled electrochemical synthesis of conductive polymer nanotube structures. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4483-9	16.4	229
35	Inorganic hollow nanoparticles and nanotubes in nanomedicine Part 1. Drug/gene delivery applications. <i>Drug Discovery Today</i> , 2007 , 12, 650-6	8.8	174
34	Inorganic hollow nanoparticles and nanotubes in nanomedicine Part 2: Imaging, diagnostic, and therapeutic applications. <i>Drug Discovery Today</i> , 2007 , 12, 657-63	8.8	82
33	A platform for ultrasensitive and selective multiplexed marker protein assay toward early-stage cancer diagnosis. <i>Nanomedicine</i> , 2007 , 2, 79-82	5.6	6
32	Electrochemical synthesis of poly(3,4-ethylenedioxythiophene) nanotubes towards fast window-type electrochromic devices. <i>Nanotechnology</i> , 2007 , 18, 405705	3.4	41
31	Template synthesis of multifunctional nanotubes for controlled release. <i>Journal of Controlled Release</i> , 2006 , 114, 143-52	11.7	102
30	Controlled gold nanoparticle diffusion in nanotubes: Platform of partial functionalization and gold capping. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15974-5	16.4	47
29	Shape-coded silica nanotubes for biosensing. <i>Langmuir</i> , 2006 , 22, 8263-5	4	62
28	Electrochemical Synthesis and Fast Electrochromics of Poly(3,4-ethylenedioxythiophene) Nanotubes in Flexible Substrate. <i>Chemistry of Materials</i> , 2005 , 17, 4564-4566	9.6	88
27	Observing capillarity in hydrophobic silica nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17385-92	16.4	43
26	Magnetic nanotubes for magnetic-field-assisted bioseparation, biointeraction, and drug delivery. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7316-7	16.4	505
25	Solvent behavior in hydrophobic silica nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 899, 1		1
24	A ligand-gated ion-channel mimetic nanopore membrane with an on-board transmembrane microbattery. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 239-44	1.3	9

23	Direct Observation of Wetting and Diffusion in the Hydrophobic Interior of Silica Nanotubes. <i>Nano Letters</i> , 2004 , 4, 233-239	11.5	65
22	Synthetic single-nanopore and nanotube membranes. <i>Analytical Chemistry</i> , 2003 , 75, 6861-7	7.8	97
21	Electrophoretic protein transport in gold nanotube membranes. <i>Analytical Chemistry</i> , 2003 , 75, 1239-44	7.8	85
20	Electromodulated molecular transport in gold-nanotube membranes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11850-1	16.4	98
19	Antibody-based bio-nanotube membranes for enantiomeric drug separations. <i>Science</i> , 2002 , 296, 2198-2003	16.4	559
18	Smart nanotubes for bioseparations and biocatalysis. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11864-5	16.4	503
17	Ion channel mimetic micropore and nanotube membrane sensors. <i>Analytical Chemistry</i> , 2002 , 74, 2416-27	7.8	134
16	Size-Based Protein Separations in Poly(ethylene glycol)-Derivatized Gold Nanotubule Membranes. <i>Nano Letters</i> , 2001 , 1, 495-498	11.5	123
15	Controlling the Transport Properties of Gold Nanotubule Membranes Using Chemisorbed Thiols. <i>Chemistry of Materials</i> , 2001 , 13, 3236-3244	9.6	50
14	pH-switchable, ion-permselective gold nanotubule membrane based on chemisorbed cysteine. <i>Analytical Chemistry</i> , 2001 , 73, 768-75	7.8	156
13	Relative binding affinities of alkali metal cations to. <i>Journal of Organic Chemistry</i> , 2000 , 65, 536-42	4.2	4
12	A new water-soluble bowl-shaped host by metal-induced self-assembly. <i>Tetrahedron Letters</i> , 1998 , 39, 4317-4320	2	11
11	Guest-induced reorganization of a self-assembled Pd(II) complex. <i>Tetrahedron Letters</i> , 1998 , 39, 873-876	2	108
10	Improved transport of nucleotide monophosphates by lipophilic phosphonium nucleobase conjugates. <i>Chemical Communications</i> , 1997 , 1061-1062	5.8	9
9	Li ⁺ selective encapsulation through the intramolecular hydrogen-bonding gate. <i>Tetrahedron Letters</i> , 1997 , 38, 8713-8716	2	5
8	Encapsulation of small organic molecules by a self-assembled molecular capsule through charged hydrogen bonding interaction. <i>Tetrahedron Letters</i> , 1996 , 37, 8501-8504	2	38
7	A facile and convenient synthesis of 2-(arylthio)thiophenes, 2-(alkylthio)thiophene, and 2-(thiophenylthio)thiophene. <i>Tetrahedron Letters</i> , 1995 , 36, 8439-8442	2	7
6	Raman spectroscopy of 4-(methylthio)benzoic acid adsorbed on silver surfaces. <i>Journal of Molecular Structure</i> , 1994 , 318, 25-35	3.4	38

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| 5 | Structure and vibrational properties of methanethiolate adsorbed on silver. <i>Journal of Molecular Structure</i> , 1993 , 296, 5-13 | 3.4 | 13 |
| 4 | Electrochemical reduction of organic sulfides investigated by Raman spectroscopy. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 9940-9943 | | 18 |
| 3 | Effects on silver-surface-enhanced Raman spectroscopy by competitive adsorption of hydroxide and halide ions. <i>Chemical Physics</i> , 1992 , 161, 265-272 | 2.3 | 16 |
| 2 | Surface-enhanced Raman scattering of o-mercaptobenzoic acid in silver sol. <i>Journal of Raman Spectroscopy</i> , 1991 , 22, 811-817 | 2.3 | 65 |
| 1 | Surface-enhanced Raman scattering of p-aminobenzoic acid at silver electrode. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 7576-7580 | | 112 |