

Li Li

List of Publications by Year in descending order

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119
papers

9,457
citations

26610

56
h-index

38368

95
g-index

120
all docs

120
docs citations

120
times ranked

12667
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalysts with internal electric fields. <i>Nanoscale</i> , 2014, 6, 24-42.	2.8	654
2	Recent progress on sodium ion batteries: potential high-performance anodes. <i>Energy and Environmental Science</i> , 2018, 11, 2310-2340.	15.6	561
3	Transition metal based battery-type electrodes in hybrid supercapacitors: A review. <i>Energy Storage Materials</i> , 2020, 28, 122-145.	9.5	413
4	Biomass derived interconnected hierarchical micro-meso-macro- porous carbon with ultrahigh capacitance for supercapacitors. <i>Carbon</i> , 2019, 147, 540-549.	5.4	374
5	Advances in non-enzymatic glucose sensors based on metal oxides. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7333-7349.	2.9	348
6	Porous Two-Dimensional Materials for Photocatalytic and Electrocatalytic Applications. <i>Matter</i> , 2020, 2, 1377-1413.	5.0	254
7	A novel border-rich Prussian blue synthesized by inhibitor control as cathode for sodium ion batteries. <i>Nano Energy</i> , 2017, 39, 273-283.	8.2	208
8	Extreme ultraviolet resist materials for sub-7 nm patterning. <i>Chemical Society Reviews</i> , 2017, 46, 4855-4866.	18.7	185
9	Rapid microwave-assisted synthesis of Mn ₃ O ₄ @graphene nanocomposite and its lithium storage properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 3600.	6.7	183
10	Advanced High Energy Density Secondary Batteries with Multi-Electron Reaction Materials. <i>Advanced Science</i> , 2016, 3, 1600051.	5.6	180
11	Bio-Nanotechnology in High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1700592.	10.2	168
12	Green Synthesis of Fluorescent Carbon Dots from Gynostemma for Bioimaging and Antioxidant in Zebrafish. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9832-9840.	4.0	168
13	Design of surface protective layer of LiF/FeF ₃ nanoparticles in Li-rich cathode for high-capacity Li-ion batteries. <i>Nano Energy</i> , 2015, 15, 164-176.	8.2	162
14	An Effective Approach To Protect Lithium Anode and Improve Cycle Performance for Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15542-15549.	4.0	157
15	Double Soft-Template Synthesis of Nitrogen/Sulfur-Codoped Hierarchically Porous Carbon Materials Derived from Protic Ionic Liquid for Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26088-26095.	4.0	142
16	Poly(vinyl alcohol)-Assisted Fabrication of Hollow Carbon Spheres/Reduced Graphene Oxide Nanocomposites for High-Performance Lithium-Ion Battery Anodes. <i>ACS Nano</i> , 2018, 12, 4824-4834.	7.3	141
17	An investigation of functionalized electrolyte using succinonitrile additive for high voltage lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 306, 70-77.	4.0	140
18	Chemical Inhibition Method to Synthesize Highly Crystalline Prussian Blue Analogs for Sodium-Ion Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31669-31676.	4.0	139

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19	A durable half-metallic diatomic catalyst for efficient oxygen reduction. <i>Energy and Environmental Science</i> , 2022, 15, 1601-1610.	15.6	137
20	Advanced cathode materials for lithium-ion batteries using nanoarchitectonics. <i>Nanoscale Horizons</i> , 2016, 1, 423-444.	4.1	119
21	Surface Modification of Li-Rich Cathode Materials for Lithium-Ion Batteries with a PEDOT:PSS Conducting Polymer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23095-23104.	4.0	119
22	Self-assembly of hierarchical star-like Co ₃ O ₄ micro/nanostructures and their application in lithium ion batteries. <i>Nanoscale</i> , 2013, 5, 1922.	2.8	117
23	High performance hydrophilic pervaporation composite membranes for water desalination. <i>Desalination</i> , 2014, 347, 199-206.	4.0	109
24	SnSb@carbon nanocable anchored on graphene sheets for sodium ion batteries. <i>Nano Research</i> , 2014, 7, 1466-1476.	5.8	108
25	Hollow Sphere TiO ₂ @ZrO ₂ Prepared by Self-Assembly with Polystyrene Colloidal Template for Both Photocatalytic Degradation and H ₂ Evolution from Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2037-2046.	3.2	106
26	Ammonia-induced robust photocatalytic hydrogen evolution of graphitic carbon nitride. <i>Nanoscale</i> , 2015, 7, 18887-18890.	2.8	105
27	Dual templating fabrication of hierarchical porous three-dimensional ZnO/carbon nanocomposites for enhanced photocatalytic and photoelectrochemical activity. <i>Applied Catalysis B: Environmental</i> , 2018, 222, 209-218.	10.8	105
28	Electrostatic Self-Assembly of Sandwich-Like CoAl-LDH/Polypyrrole/Graphene Nanocomposites with Enhanced Capacitive Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31699-31709.	4.0	103
29	Synthesis of Mn ₃ O ₄ -anchored graphene sheet nanocomposites via a facile, fast microwave hydrothermal method and their supercapacitive behavior. <i>Electrochimica Acta</i> , 2013, 87, 801-808.	2.6	101
30	Scalable synthesis of self-standing sulfur-doped flexible graphene films as recyclable anode materials for low-cost sodium-ion batteries. <i>Carbon</i> , 2016, 107, 67-73.	5.4	101
31	Trapping sulfur in hierarchically porous, hollow indented carbon spheres: a high-performance cathode for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9526-9535.	5.2	100
32	Synthesis and electrochemical performance of cathode material Li _{1.2} Co _{0.13} Ni _{0.13} Mn _{0.54} O ₂ from spent lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 249, 28-34.	4.0	98
33	Facile synthesis of a MoO ₂ @Mo ₂ C composite and its application as favorable anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 307, 552-560.	4.0	98
34	Synthesis, characterization, and electrochemistry of cathode material Li[Li _{0.2} Co _{0.13} Ni _{0.13} Mn _{0.54}]O ₂ using organic chelating agents for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 228, 206-213.	4.0	97
35	Preparation of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16078-16086.	4.0	95
36	Na ₂ Ni _x Co _{1-x} Fe(CN) ₆ : A class of Prussian blue analogs with transition metal elements as cathode materials for sodium ion batteries. <i>Electrochemistry Communications</i> , 2015, 59, 91-94.	2.3	93

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37	Visible light photochemical activity of heterostructured PbTiO ₃ @TiO ₂ core-shell particles. <i>Catalysis Science and Technology</i> , 2012, 2, 1945.	2.1	90
38	Construction of Z-scheme carbon nanodots/WO ₃ with highly enhanced photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8256-8259.	5.2	85
39	Interconnected honeycomb-like porous carbon derived from plane tree fluff for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10869-10877.	5.2	83
40	Intramolecular Hydrogen Bonds Quench Photoluminescence and Enhance Photocatalytic Activity of Carbon Nanodots. <i>Chemistry - A European Journal</i> , 2015, 21, 8561-8568.	1.7	75
41	Anisotropic thermal conductivity of graphene wrinkles. <i>Nanoscale</i> , 2014, 6, 5703-5707.	2.8	74
42	Photocatalytic overall water splitting by graphitic carbon nitride. <i>Information Materials</i> , 2021, 3, 931-961.	8.5	74
43	Studying the Mechanism of Hybrid Nanoparticle Photoresists: Effect of Particle Size on Photopatterning. <i>Chemistry of Materials</i> , 2015, 27, 5027-5031.	3.2	73
44	Fabrication of Hierarchical Porous Carbon Nanoflakes for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34944-34953.	4.0	72
45	A novel fabrication strategy for doped hierarchical porous biomass-derived carbon with high microporosity for ultrahigh-capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19939-19949.	5.2	71
46	Heterostructured Ceramic Powders for Photocatalytic Hydrogen Production: Nanostructured TiO ₂ Shells Surrounding Microcrystalline Ba, Sr TiO ₃ Cores. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1414-1420.	1.9	70
47	Microwave/freeze casting assisted fabrication of carbon frameworks derived from embedded upholder in tremella for superior performance supercapacitors. <i>Energy Storage Materials</i> , 2019, 18, 447-455.	9.5	70
48	Bio-inspired design of hierarchical PDMS microstructures with tunable adhesive superhydrophobicity. <i>Nanoscale</i> , 2015, 7, 6151-6158.	2.8	69
49	Controllable synthesis of RGO/Fe _x O _y nanocomposites as high-performance anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9844-9850.	5.2	68
50	Surface Hydrophilicity and Structure of Hydrophilic Modified PVDF Membrane by Nonsolvent Induced Phase Separation and Their Effect on Oil/Water Separation Performance. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6401-6408.	1.8	68
51	Synthesis of hollow GeO ₂ nanostructures, transformation into Ge@C, and lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7666.	5.2	66
52	Self-Regulative Nanogelator Solid Electrolyte: A New Option to Improve the Safety of Lithium Battery. <i>Advanced Science</i> , 2016, 3, 1500306.	5.6	63
53	Sandwich-like graphene/polypyrrole/layered double hydroxide nanowires for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 331, 67-75.	4.0	62
54	High visible light photocatalytic activities obtained by integrating g-C ₃ N ₄ with ferroelectric PbTiO ₃ . <i>Journal of Materials Science and Technology</i> , 2021, 74, 128-135.	5.6	62

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55	Recent progress of phosphorus composite anodes for sodium/potassium ion batteries. <i>Energy Storage Materials</i> , 2021, 34, 436-460.	9.5	61
56	Hierarchical carbon-coated acanthosphere-like Li ₄ Ti ₅ O ₁₂ microspheres for high-power lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 314, 18-27.	4.0	59
57	Fabrication of Hierarchical Porous Carbon Frameworks from Metal-Ion-Assisted Step-Activation of Biomass for Supercapacitors with Ultrahigh Capacitance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10763-10772.	3.2	56
58	Quantum dot heterostructure with directional charge transfer channels for high sodium storage. <i>Energy Storage Materials</i> , 2021, 39, 278-286.	9.5	56
59	Facile synthesis of graphene@molybdenum dioxide and its lithium storage properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 16072.	6.7	53
60	Surfactant-free self-assembly of reduced graphite oxide-MoO ₂ nanobelt composites used as electrode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 211, 972-981.	2.6	53
61	Remarkable supercapacitor performance of petal-like LDHs vertically grown on graphene/polypyrrole nanoflakes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8964-8971.	5.2	53
62	A strongly coupled CoS ₂ / reduced graphene oxide nanostructure as an anode material for efficient sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 726, 394-402.	2.8	53
63	Polyethylene Glycol-Doped Polypyrrole Increases the Rate Performance of the Cathode in Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2013, 6, 1438-1444.	3.6	52
64	Visible-Light Photochemical Activity of Heterostructured Core-Shell Materials Composed of Selected Ternary Titanates and Ferrites Coated by TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5064-5071.	4.0	51
65	Solubility studies of inorganic-organic hybrid nanoparticle photoresists with different surface functional groups. <i>Nanoscale</i> , 2016, 8, 1338-1343.	2.8	51
66	Combinatorial substrate epitaxy: A high-throughput method for determining phase and orientation relationships and its application to BiFeO ₃ /TiO ₂ heterostructures. <i>Acta Materialia</i> , 2012, 60, 6486-6493.	3.8	49
67	Synthesis of Co-based Prussian Blue Analogues/Dual-Doped Hollow Carbon Microsphere Hybrids as High-Performance Bifunctional Electrocatalysts for Oxygen Evolution and Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8318-8326.	3.2	45
68	Heterostructured (Ba,Sr)TiO ₃ /TiO ₂ core/shell photocatalysts: Influence of processing and structure on hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6948-6959.	3.8	43
69	The design of underwater superoleophobic Ni/NiO microstructures with tunable oil adhesion. <i>Nanoscale</i> , 2015, 7, 19293-19299.	2.8	43
70	Influence of tunable pore size on photocatalytic and photoelectrochemical performances of hierarchical porous TiO ₂ /C nanocomposites synthesized via dual-Templating. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 341-349.	10.8	43
71	Rational construction of MoS ₂ /Mo ₂ N/C hierarchical porous tubular nanostructures for enhanced lithium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23886-23894.	5.2	43
72	Dual templated synthesis of tri-modal porous SrTiO ₃ /TiO ₂ @ carbon composites with enhanced photocatalytic activity. <i>Applied Catalysis A: General</i> , 2019, 575, 132-141.	2.2	42

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73	Ferroelectric Oxide Nanocomposites with Trimodal Pore Structure for High Photocatalytic Performance. <i>Nano-Micro Letters</i> , 2019, 11, 37.	14.4	39
74	V ₂ O ₅ /Mesoporous Carbon Composite as a Cathode Material for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015, 173, 172-177.	2.6	36
75	Study on the polarity, solubility, and stacking characteristics of asphaltenes. <i>Fuel</i> , 2014, 128, 366-372.	3.4	35
76	Stabilization of NaZn(BH ₄) ₃ via nanoconfinement in SBA-15 towards enhanced hydrogen release. <i>Journal of Materials Chemistry A</i> , 2013, 1, 250-257.	5.2	34
77	Synthesis and Characterization of Cobalt-Doped WS ₂ Nanorods for Lithium Battery Applications. <i>Nanoscale Research Letters</i> , 2010, 5, 1301-1306.	3.1	33
78	Preparation of octahedral CuO micro/nanocrystals and electrochemical performance as anode for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2014, 600, 162-167.	2.8	32
79	Engineering High-Performance MoO ₂ -Based Nanomaterials with Supercapacity and Superhydrophobicity by Tuning the Raw Materials Source. <i>Small</i> , 2018, 14, e1800480.	5.2	32
80	Functionalization of polyacrylonitrile nanofiber using ATRP method for boric acid removal from aqueous solution. <i>Journal of Water Process Engineering</i> , 2014, 3, 98-104.	2.6	30
81	A hierarchical Zn ₂ Mo ₃ O ₈ nanodots@porous carbon composite as a superior anode for lithium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 9402-9405.	2.2	29
82	Post-wrinkling analysis of a torsionally sheared annular thin film by using a compound series method. <i>International Journal of Mechanical Sciences</i> , 2016, 110, 22-33.	3.6	27
83	The effects of FEC (fluoroethylene carbonate) electrolyte additive on the lithium storage properties of NiO (nickel oxide) nanocuboids. <i>Energy</i> , 2013, 58, 707-713.	4.5	26
84	Construction of 3D porous MXene supercapacitor electrode through a dual-step freezing strategy. <i>Scripta Materialia</i> , 2022, 213, 114605.	2.6	25
85	Characteristic performance of SnO/Sn/Cu ₆ Sn ₅ three-layer anode for Li-ion battery. <i>Electrochimica Acta</i> , 2013, 109, 46-51.	2.6	24
86	Preparation and characterization of asymmetric polyarylene sulfide sulfone (PASS) solvent-resistant nanofiltration membranes. <i>Materials Letters</i> , 2014, 132, 11-14.	1.3	23
87	Poly(N,N-dimethylaminoethyl methacrylate) modification of a regenerated cellulose membrane using ATRP method for copper(II) ion removal. <i>RSC Advances</i> , 2013, 3, 20625.	1.7	22
88	Oxide Nanoparticle EUV (ONE) Photoresists: Current Understanding of the Unusual Patterning Mechanism. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2015, 28, 515-518.	0.1	21
89	Overall Photocatalytic Water Splitting of Crystalline Carbon Nitride with Facet Engineering. <i>CheM</i> , 2020, 6, 2439-2441.	5.8	21
90	Boosting sodium storage performance of Mo ₂ C via nitrogen-doped carbon sphere encapsulation and rGO wrapping. <i>Chemical Engineering Journal</i> , 2021, 413, 127471.	6.6	21

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91	Molten-salt synthesis of crystalline C ₃ N ₄ /C nanosheet with high sodium storage capability. Chemical Engineering Journal, 2021, 425, 131591.	6.6	20
92	Advantageous Tubular Structure of Biomass-Derived Carbon for High-Performance Sodium Storage. ACS Applied Energy Materials, 2021, 4, 4955-4965.	2.5	18
93	Photocatalytic overall water splitting of carbon nitride by band-structure modulation. Matter, 2021, 4, 1765-1767.	5.0	17
94	Constructing Crystalline gâ€C₃N₄/gâ€C₃N₄S_x Isotype Heterostructure for Efficient Photocatalytic and Piezocatalytic Performances. Energy and Environmental Materials, 2023, 6, .	7.3	17
95	Fabrication of hierarchical gecko-inspired microarrays using a three-dimensional porous nickel oxide template. Journal of Materials Chemistry B, 2015, 3, 6571-6575.	2.9	14
96	Increasing sensitivity of oxide nanoparticle photoresists. , 2014, , .		13
97	A novel fabrication approach for three-dimensional hierarchical porous metal oxide/carbon nanocomposites for enhanced solar photocatalytic performance. Catalysis Science and Technology, 2017, 7, 1965-1970.	2.1	13
98	The influence of polyamic acid molecular weight on the membrane structure and performance of polyimide solventâ€resistant nanofiltration. Journal of Chemical Technology and Biotechnology, 2016, 91, 777-785.	1.6	12
99	Enhanced stability and rate performance of zinc-doped cobalt hexacyanoferrate (CoZnHCF) by the limited crystal growth and reduced distortion. Journal of Energy Chemistry, 2022, 69, 649-658.	7.1	12
100	Influence of Ultrasonication Conditions on the Structure and Performance of Poly(vinylidene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Research, 2014, 53, 8228-8234.	1.8	11
101	Fabrication of Highâ€Performance Biomass Derived Carbon/Metal Oxide Photocatalysts with Trilevel Hierarchical Pores from Organicâ€Inorganic Network. Advanced Sustainable Systems, 2019, 3, 1800169.	2.7	11
102	Molten salt assisted fabrication of ferroelectric BaTiO ₃ based cathode for high-performance lithium sulfur batteries. Chemical Engineering Journal, 2022, 435, 135031.	6.6	11
103	Study on the dipole moment of asphaltene molecules through dielectric measuring. Fuel, 2015, 140, 609-615.	3.4	10
104	Facile fabrication of hierarchical micro-meso-macro porous metal oxide with high photochemical and electrochemical performances. Applied Surface Science, 2019, 465, 672-677.	3.1	10
105	Non-aqueous negative-tone development of inorganic metal oxide nanoparticle photoresists for next generation lithography. Proceedings of SPIE, 2013, , .	0.8	7
106	Mode jumping analysis of thin film secondary wrinkling. International Journal of Mechanical Sciences, 2015, 104, 138-146.	3.6	7
107	Crystallinity Modulation of Electron Acceptor in Oneâ€Photon Excitation Pathwayâ€Based Heterostructure for Visibleâ€Light Photocatalysis. Solar Rrl, 2022, 6, 2100901.	3.1	7
108	Influence of Surface Structure on the Capacity and Irreversible Capacity Loss of Sn-Based Anodes for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2014, 2, 1857-1863.	3.2	6

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109	Influence of Morphology and Structure on Electrochemical Performances of Li-Ion Battery Sn Anodes. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5930-5935.	1.1	6
110	Synthesis of pH-responsive polyethylene terephthalate track-etched membranes by grafting hydroxyethyl methacrylate using atom transfer radical polymerization method. Journal of Applied Polymer Science, 2014, 131, .	1.3	5
111	Abnormal frequency characteristics of wrinkled graphene. RSC Advances, 2014, 4, 9395.	1.7	5
112	Charge transfer resistance of copper and nickel thin film electrodes in nano dimensions. Materials Letters, 2017, 198, 61-64.	1.3	5
113	Electrochemical performances of Cu ₆ Sn ₅ -modified Sn anode with multi-layer structure for Li-ion cell. RSC Advances, 2013, 3, 18339.	1.7	4
114	Investigation on the Oxidation and Reduction of Titanium in Molten Salt with the Soluble TiC Anode. Metallurgical and Materials Transactions E, 2015, 2, 250-254.	0.5	4
115	Charge transfer resistance of IB and VIB family electrodes in 1 M Na ₂ SO ₄ . Materials Letters, 2017, 207, 187-189.	1.3	4
116	New developments in ligand-stabilized metal oxide nanoparticle photoresists for EUV lithography. Proceedings of SPIE, 2015, , .	0.8	3
117	Fabrication of Metal-Doped Hierarchical Trimodal Porous Li ₃ V ₂ (PO ₄) ₃ /C Composites with Enhanced Electrochemical Performances for Lithium-Ion Batteries. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 1468-1479.	1.1	3
118	Relationships between Electrical Conductivity Variation and Coking Characteristics of Residue during Thermal Reaction through Online Equipment. Energy & Fuels, 2016, 30, 5404-5410.	2.5	2
119	Studying the mechanism of hybrid nanoparticle EUV photoresists. Proceedings of SPIE, 2015, , .	0.8	0