

Jun Hyuk Moon

List of Publications by Year in descending order

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papers

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81900

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times ranked

7774
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge-Transfer Effects of Organic Ligands on Energy Storage Performance of Oxide Nanoparticle-Based Electrodes. <i>Advanced Functional Materials</i> , 2022, 32, 2106438.	14.9	9
2	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , 2022, 6, 8-15.	24.0	66
3	Exploring the Janus structure to improve kinetics in sulfur conversion of Li-S batteries. <i>Nano Energy</i> , 2022, 95, 106980.	16.0	24
4	Balancing Electrolyte Donicity and Cathode Adsorption Capacity for High-Performance Li ₂ S Batteries. <i>Small</i> , 2022, 18, e2201416.	10.0	5
5	Discovery of Dual-Functional Amorphous Titanium Suboxide to Promote Polysulfide Adsorption and Regulate Sulfide Growth in Li-S Batteries. <i>Advanced Science</i> , 2022, 9, .	11.2	9
6	High-capacity sulfur copolymer cathode with metallic fibril-based current collector and conductive capping layer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2334-2344.	10.3	4
7	Solar Cell-Powered Electrochemical Methane-to-Methanol Conversion with CuO/CeO ₂ Catalysts. <i>ACS Energy Letters</i> , 2021, 6, 893-899.	17.4	31
8	A Layer-by-Layer Assembly Route to Electroplated Fibril-Based 3D Porous Current Collectors for Energy Storage Devices. <i>Small</i> , 2021, 17, e2007579.	10.0	13
9	Interplay between electrochemical reactions and mechanical responses in silicon-graphite anodes and its impact on degradation. <i>Nature Communications</i> , 2021, 12, 2714.	12.8	51
10	Textile-Type Lithium-Ion Battery Cathode Enabling High Specific/Areal Capacities and High Rate Capability through Ligand Replacement Reaction-Mediated Assembly. <i>Advanced Energy Materials</i> , 2021, 11, 2101631.	19.5	19
11	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. <i>Chemistry of Materials</i> , 2020, 32, 9704-9712.	6.7	23
12	3D Bicontinuous Structure of a Pseudocapacitive Ultrathin Shell/Carbon Core: A Novel Electrode for Thin-Film Supercapacitors with High Areal Energy Density. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14711-14717.	6.7	10
13	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , 2020, 12, 18576-18594.	5.6	29
14	Unveiling the Effects of Nanostructures and Core Materials on Charge-Transport Dynamics in Heterojunction Electrodes for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21894-21902.	8.0	9
15	Dual-Band Luminescent Solar Converter-Coupled Dye-Sensitized Solar Cells for High-Performance Semitransparent Photovoltaic Device. <i>ACS Applied Energy Materials</i> , 2020, 3, 5277-5284.	5.1	12
16	Photon upconversion-assisted dual-band luminescence solar concentrators coupled with perovskite solar cells for highly efficient semi-transparent photovoltaic systems. <i>Nanoscale</i> , 2020, 12, 12426-12431.	5.6	18
17	Polyhedral TiO ₂ particle-based cathode for Li-S batteries with high volumetric capacity and high performance in lean electrolyte. <i>Chemical Engineering Journal</i> , 2020, 399, 125670.	12.7	21
18	Microdomain sulfur-impregnated CeO ₂ -coated CNT particles for high-performance Li-S batteries. <i>Chemical Engineering Journal</i> , 2020, 390, 124548.	12.7	23

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19	Dual-sensitized upconversion-assisted, triple-band absorbing luminescent solar concentrators. <i>Nanoscale</i> , 2020, 12, 17265-17271.	5.6	10
20	Complete encapsulation of sulfur through interfacial energy control of sulfur solutions for high-performance Li-S batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12686-12692.	7.1	80
21	Electrochemical CH ₄ oxidation into acids and ketones on ZrO ₂ :NiCo ₂ O ₄ quasi-solid solution nanowire catalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118095.	20.2	39
22	Growth of BiVO ₄ nanoparticles on a WO ₃ porous scaffold: improved water-splitting by high band-edge light harvesting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4480-4485.	10.3	16
23	Geometric Effect of Grating-Patterned Electrode for High Conversion Efficiency of Dye-Sensitized Solar Cells. <i>Multiscale Science and Engineering</i> , 2019, 1, 161-166.	1.7	4
24	Polydopamine-wrapped, silicon nanoparticle-impregnated macroporous CNT particles: rational design of high-performance lithium-ion battery anodes. <i>Chemical Communications</i> , 2019, 55, 361-364.	4.1	27
25	Enhanced Photoelectrochemical Water Splitting through Bismuth Vanadate with a Photon Upconversion Luminescent Reflector. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6891-6895.	13.8	36
26	Enhanced Photoelectrochemical Water Splitting through Bismuth Vanadate with a Photon Upconversion Luminescent Reflector. <i>Angewandte Chemie</i> , 2019, 131, 6965-6969.	2.0	4
27	2D photonic crystal nanodisk array as electron transport layer for highly efficient perovskite solar cells. <i>Nano Energy</i> , 2019, 56, 365-372.	16.0	39
28	Spherical Macroporous Carbon Nanotube Particles with Ultrahigh Sulfur Loading for Lithium-Sulfur Battery Cathodes. <i>ACS Nano</i> , 2018, 12, 226-233.	14.6	269
29	Three-Dimensional Bicontinuous BiVO ₄ /ZnO Photoanodes for High Solar Water-Splitting Performance at Low Bias Potential. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34238-34244.	8.0	35
30	Hierarchical Pore-Patterned Carbon Electrodes for High-Volumetric Energy Density Micro-Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19682-19688.	8.0	19
31	Full lithographic fabrication of boron-doped 3D porous carbon patterns for high volumetric energy density microsupercapacitors. <i>Nano Energy</i> , 2018, 53, 182-188.	16.0	57
32	Upconversion-Assisted Dual-Band Luminescent Solar Concentrator Coupled for High Power Conversion Efficiency Photovoltaic Systems. <i>ACS Photonics</i> , 2018, 5, 3621-3627.	6.6	45
33	MnO ₂ Nanoflake-Shelled Carbon Nanotube Particles for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2445-2453.	6.7	115
34	Highly Improved Ion Diffusion through Mesoscopically Ordered Porous Photoelectrodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12046-12052.	3.1	8
35	Formation of Stable Solid-Electrolyte Interphase Layer on Few-Layer Graphene-Coated Silicon Nanoparticles for High-Capacity Li-Ion Battery Anodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26155-26162.	3.1	20
36	Highly N-doped microporous carbon nanospheres with high energy storage and conversion efficiency. <i>Scientific Reports</i> , 2017, 7, 14400.	3.3	23

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37	Spherical graphene and Si nanoparticle composite particles for high-performance lithium batteries. Korean Journal of Chemical Engineering, 2017, 34, 3195-3199.	2.7	22
38	Monolithic Two-Dimensional Photonic Crystal Reflectors for the Fabrication of Highly Efficient and Highly Transparent Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 37006-37012.	8.0	17
39	Ultrahigh Electrocatalytic Conversion of Methane at Room Temperature. Advanced Science, 2017, 4, 1700379.	11.2	73
40	Mesoscopic CH ₃ NH ₃ PbI ₃ perovskite solar cells using TiO ₂ inverse opal electron-conducting scaffolds. Journal of Materials Chemistry A, 2017, 5, 1972-1977.	10.3	39
41	Low-coordinated surface atoms of CuPt alloy cocatalysts on TiO ₂ for enhanced photocatalytic conversion of CO ₂ . Nanoscale, 2016, 8, 10043-10048.	5.6	80
42	Carbon-coated silicon nanoparticle-embedded carbon sphere assembly electrodes with enhanced performance for lithium-ion batteries. RSC Advances, 2016, 6, 38012-38017.	3.6	7
43	3D bicontinuous SnO ₂ /TiO ₂ core/shell structures for highly efficient organic dye-sensitized solar cell electrodes. RSC Advances, 2016, 6, 74003-74008.	3.6	9
44	Three-Dimensional Polymeric Mechanical Metamaterials Fabricated by Multibeam Interference Lithography with the Assistance of Plasma Etching. Langmuir, 2016, 32, 8436-8441.	3.5	13
45	In Situ Gelation of Poly(vinylidene fluoride) Nanospheres for Dye-Sensitized Solar Cells: The Analysis on the Efficiency Enhancement upon Gelation. Langmuir, 2016, 32, 7735-7740.	3.5	6
46	Controlled Unusual Stiffness of Mechanical Metamaterials. Scientific Reports, 2016, 6, 20312.	3.3	38
47	Bilayer quantum dot-decorated mesoscopic inverse opals for high volumetric photoelectrochemical water splitting efficiency. RSC Advances, 2016, 6, 8756-8762.	3.6	9
48	Role of Surface States in Photocatalysis: Study of Chlorine-Passivated CdSe Nanocrystals for Photocatalytic Hydrogen Generation. Chemistry of Materials, 2016, 28, 962-968.	6.7	71
49	Liquid immersion thermal crosslinking of 3D polymer nanopatterns for direct carbonisation with high structural integrity. Scientific Reports, 2015, 5, 18185.	3.3	19
50	In-situ Poly(methyl methacrylate)/Graphene Composite Gel Electrolytes for Highly Stable Dye-Sensitized Solar Cells. ChemSusChem, 2015, 8, 3799-3804.	6.8	16
51	3D Woven-Like Carbon Micropattern Decorated with Silicon Nanoparticles for Use in Lithium-Ion Batteries. ChemSusChem, 2015, 8, 3414-3418.	6.8	8
52	Monolithic multiscale bilayer inverse opal electrodes for dye-sensitized solar cell applications. Nanoscale, 2015, 7, 5164-5168.	5.6	21
53	Uniformly dispersed silicon nanoparticle/carbon nanosphere composites as highly stable lithium-ion battery electrodes. RSC Advances, 2015, 5, 17424-17428.	3.6	12
54	Uniform Decoration of CdS Nanoparticles on TiO ₂ Inverse Opals for Visible Light Photoelectrochemical Cell. Electrochimica Acta, 2015, 166, 350-355.	5.2	7

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55	Si nanoparticles-nested inverse opal carbon supports for highly stable lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23684-23689.	10.3	31
56	Nitrogen-Doped Carbon Nanotube Spherical Particles for Supercapacitor Applications: Emulsion-Assisted Compact Packing and Capacitance Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20083-20089.	8.0	62
57	N-doped mesoporous inverse opal structures for visible-light photocatalysts. <i>RSC Advances</i> , 2015, 5, 77716-77722.	3.6	13
58	Quasi-solid-state Dye-sensitized Solar Cells with Macropore-containing Hierarchical Electrodes. <i>Electrochimica Acta</i> , 2014, 135, 192-198.	5.2	4
59	Carbon-deposited TiO ₂ nanoparticle balls for high-performance visible photocatalysis. <i>RSC Advances</i> , 2014, 4, 55371-55376.	3.6	3
60	3D periodic composite nanopatterns with superior mechanical properties: the effect of nanoparticles on pattern contrast and mechanical properties. <i>RSC Advances</i> , 2014, 4, 32348.	3.6	2
61	Highly improved photocurrents of dye-sensitized solar cells containing ultrathin 3D inverse opal electrodes sensitized with a dithienothiophene-based organic dye. <i>RSC Advances</i> , 2014, 4, 40980-40984.	3.6	7
62	Tetrapod CdSe-sensitized macroporous inverse opal electrodes for photo-electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17568-17573.	10.3	9
63	Mesoporous Carbon@TiO ₂ Beads with Nanotextured Surfaces as Photoanodes in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2014, 7, 2590-2596.	6.8	20
64	Carbon Nanotube Balls and Their Application in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 706-711.	8.0	36
65	Photocorrosion-Assisted Transformation of Metal Selenide Nanocrystals into Crystalline Selenium Nanowires. <i>Crystal Growth and Design</i> , 2014, 14, 1258-1263.	3.0	12
66	Monodispersed N-Doped Carbon Nanospheres for Supercapacitor Application. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13968-13976.	8.0	202
67	Double-Deck Inverse Opal Photoanodes: Efficient Light Absorption and Charge Separation in Heterojunction. <i>Chemistry of Materials</i> , 2014, 26, 5592-5597.	6.7	88
68	1D nanorod-planted 3D inverse opal structures for use in dye-sensitized solar cells. <i>Nanoscale</i> , 2014, 6, 3105-3109.	5.6	25
69	Polyamide@POSS hybrid membranes for seawater desalination: Effect of POSS inclusion on membrane properties. <i>Journal of Membrane Science</i> , 2014, 461, 89-95.	8.2	59
70	Facile fabrication of sub-100-nm mesoscale inverse opal films and their application in dye-sensitized solar cell electrodes. <i>Scientific Reports</i> , 2014, 4, 6804.	3.3	38
71	Lithographically Defined Three-dimensional Pore-patterned Carbon with Nitrogen Doping for High-Performance Ultrathin Supercapacitor Applications. <i>Scientific Reports</i> , 2014, 4, 5392.	3.3	31
72	In-situ fabrication of macroporous films for dye-sensitised solar cells: formation of the scattering layer and the gelation of electrolytes. <i>Scientific Reports</i> , 2014, 4, 5375.	3.3	14

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73	Study of architectural responses of 3D periodic cellular materials. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 065018.	2.0	9
74	Particulate Inverse Opal Carbon Electrodes for Lithium-Ion Batteries. <i>Langmuir</i> , 2013, 29, 1192-1198.	3.5	41
75	Silicon/copper dome-patterned electrodes for high-performance hybrid supercapacitors. <i>Scientific Reports</i> , 2013, 3, 3183.	3.3	62
76	Characterization of charge transport properties of a 3D electrode for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10835.	2.8	9
77	Carbon-Deposited TiO ₂ 3D Inverse Opal Photocatalysts: Visible-Light Photocatalytic Activity and Enhanced Activity in a Viscous Solution. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12526-12532.	8.0	68
78	ZnO-treated TiO ₂ inverse opal electrodes for dye-sensitized solar cells. <i>Current Applied Physics</i> , 2013, 13, 841-845.	2.4	9
79	Graphene-embedded 3D TiO ₂ inverse opal electrodes for highly efficient dye-sensitized solar cells: morphological characteristics and photocurrent enhancement. <i>Nanoscale</i> , 2013, 5, 4200.	5.6	56
80	Constructing inverse opal structured hematite photoanodes via electrochemical process and their application to photoelectrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11717.	2.8	38
81	Synthesis of Porous Carbon Balls from Spherical Colloidal Crystal Templates. <i>Langmuir</i> , 2012, 28, 10543-10550.	3.5	42
82	Hollow Polypyrrole Films: Applications for Energy Storage Devices. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1052-A1056.	2.9	19
83	Anisotropic wetting and superhydrophobicity on holographically featured 3D nanostructured surfaces. <i>Soft Matter</i> , 2012, 8, 4567.	2.7	39
84	Hierarchical Twin-Scale Inverse Opal TiO ₂ Electrodes for Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2012, 28, 9372-9377.	3.5	32
85	Facile synthesis of microporous carbon spheres by selective pyrolysis. <i>RSC Advances</i> , 2012, 2, 8934.	3.6	2
86	Inverse Opal Carbons for Counter Electrode of Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2012, 28, 7033-7038.	3.5	52
87	Bottom-up Growth of Hierarchical Electrodes for Highly Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3589-3595.	8.0	7
88	Inverse opal tungsten trioxide films with mesoporous skeletons: synthesis and photoelectrochemical responses. <i>Chemical Communications</i> , 2012, 48, 11939.	4.1	35
89	Enhanced Photovoltaic Properties of Nb ₂ O ₅ -Coated TiO ₂ 3D Ordered Porous Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5821-5825.	8.0	64
90	Synthesis of snowman-shaped microparticles by monomer swelling and polymerization of crosslinked seed particles. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1102-1107.	2.7	6

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91	Supported pyrolysis for lithographically defined 3D carbon microstructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 14456.	6.7	9
92	Surface modification of 2D/3D SU-8 patterns with a swelling-deswelling method. <i>Soft Matter</i> , 2011, 7, 2989.	2.7	14
93	Uncertainty analysis of measurements of the size of nanoparticles in aqueous solutions using dynamic light scattering. <i>Metrologia</i> , 2011, 48, 417-425.	1.2	15
94	Facile Synthesis of TiO ₂ Inverse Opal Electrodes for Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2011, 27, 856-860.	3.5	47
95	Bilayer Inverse Opal TiO ₂ Electrodes for Dye-Sensitized Solar Cells via Post-Treatment. <i>Langmuir</i> , 2011, 27, 6311-6315.	3.5	40
96	Hierarchically Porous TiO ₂ Electrodes Fabricated by Dual Templating Methods for Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2011, 23, 2971-2975.	21.0	107
97	Enhanced Photocurrent Density of Tungsten Oxide Hollow Particle Arrays Produced by Colloidal Template Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1538-1541.	0.9	3
98	Stability of PS Opals in Supercritical Carbon Dioxide and Synthesis of Silica Inverse Opals. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2178-2182.	1.9	6
99	Band gap control of colloidal photonic crystal by hyperthermal neutral beam etching. , 2010, , .		0
100	Biologically inspired humidity sensor based on three-dimensional photonic crystals. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	105
101	Dry etching of colloidal crystal films. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 209-214.	9.4	21
102	Fabrication of two-dimensional multiscale patterns by holographic lithography. , 2010, , .		0
103	Humidity sensors mimicking cuticle of Hercules beetles. , 2010, , .		0
104	Fabrication of Inorganic Inverse Opals by Hetero-Colloidal Self-Assembly. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 368-376.	2.4	6
105	Observation of Positive Effects of Freestanding Scattering Film in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 288-291.	8.0	23
106	Holographically Defined TiO ₂ Electrodes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2970-2973.	8.0	17
107	Chemical Aspects of Three-Dimensional Photonic Crystals. <i>Chemical Reviews</i> , 2010, 110, 547-574.	47.7	239
108	Fabrication of 3D Copper Oxide Structure by Holographic Lithography for Photoelectrochemical Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2982-2986.	8.0	23

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109	Holographic Fabrication of Microstructures with Internal Nanopatterns Using Microprism Arrays. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7000-7005.	13.8	16
110	Holographic fabrication of three-dimensional nanostructures for microfluidic passive mixing. <i>Lab on A Chip</i> , 2009, 9, 3144.	6.0	66
111	Direct fabrication of 3D silica-like microstructures from epoxy-functionalized polyhedral oligomeric silsesquioxane (POSS). <i>Journal of Materials Chemistry</i> , 2009, 19, 4687.	6.7	39
112	Room Temperature Chemical Vapor Deposition for Fabrication of Titania Inverse Opals: Fabrication, Morphology Analysis and Optical Characterization. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2245-2248.	1.9	17
113	Thermoresponsive Hydrogel Photonic Crystals by Three-Dimensional Holographic Lithography. <i>Advanced Materials</i> , 2008, 20, 3061-3065.	21.0	98
114	Length shortening and surfactant mixing behavior of nonionic/ionic mixed cylindrical micelle. <i>Chemical Physics Letters</i> , 2008, 464, 82-86.	2.6	2
115	Holographic fabrication of photonic nanostructures for optofluidic integration. <i>Lab on A Chip</i> , 2008, 8, 388.	6.0	54
116	Poly(glycidyl methacrylate)s with controlled molecular weights as low-shrinkage resins for 3D multibeam interference lithography. <i>Journal of Materials Chemistry</i> , 2008, 18, 3316.	6.7	39
117	Electrodeposition of Three-Dimensional Titania Photonic Crystals from Holographically Patterned Microporous Polymer Templates. <i>Chemistry of Materials</i> , 2008, 20, 1816-1823.	6.7	71
118	Holographic fabrication of hierarchical nanostructures using microprism array toward optofluidic integration. , 2008, , .		0
119	Dual Functions of Clay Nanoparticles with High Aspect Ratio in Dye-Sensitized Solar Cells. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, B171.	2.2	31
120	Feasibility Study for Biological Membranes by Using a New Neutron Reflectometer at the HANARO. <i>Journal of the Korean Physical Society</i> , 2008, 53, 1944-1950.	0.7	0
121	Holographic fabrication of photonic nanostructures for optofluidic integration. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
122	Superhydrophobic Films of Electrospun Fibers with Multiple-Scale Surface Morphology. <i>Langmuir</i> , 2007, 23, 7981-7989.	3.5	160
123	Triply Periodic Bicontinuous Structures as Templates for Photonic Crystals: A Pinch-off Problem. <i>Advanced Materials</i> , 2007, 19, 1510-1514.	21.0	36
124	High-Throughput Synthesis of Anisotropic Colloids via Holographic Lithography. <i>Advanced Materials</i> , 2007, 19, 2508-2512.	21.0	40
125	Core-shell diamond-like silicon photonic crystals from 3D polymer templates created by holographic lithography. , 2007, , .		3
126	Fabrication of One-Dimensional Colloidal Assemblies from Electrospun Nanofibers. <i>Langmuir</i> , 2006, 22, 3445-3449.	3.5	97

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127	Core-shell diamond-like silicon photonic crystals from 3D polymer templates created by holographic lithography. <i>Optics Express</i> , 2006, 14, 6297.	3.4	38
128	Fabricating three-dimensional polymeric photonic structures by multi-beam interference lithography. <i>Polymers for Advanced Technologies</i> , 2006, 17, 83-93.	3.2	162
129	Pixellated Photonic Crystal Films by Selective Photopolymerization. <i>Advanced Materials</i> , 2006, 18, 2111-2116.	21.0	52
130	Photonic band-gap structures of core-shell simple cubic crystals from holographic lithography. <i>Applied Physics Letters</i> , 2006, 88, 121101.	3.3	13
131	Multiscale Nanopatterns Templated from Two-Dimensional Assemblies of Photoresist Particles. <i>Advanced Materials</i> , 2005, 17, 2559-2562.	21.0	24
132	Fabrication of hollow colloidal crystal cylinders and their inverted polymeric replicas. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 173-177.	9.4	32
133	Creating Three-dimensional Polymeric Microstructures by Multi-beam Interference Lithography. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2005, 45, 351-373.	2.2	43
134	Colloidal lithography with crosslinkable particles: fabrication of hierarchical nanopore arrays. <i>Chemical Communications</i> , 2005, , 4107.	4.1	24
135	Connected Open Structures from Close-Packed Colloidal Crystals by Hyperthermal Neutral Beam Etching. <i>Langmuir</i> , 2005, 21, 10770-10775.	3.5	21
136	Fabrication of Spherical Colloidal Crystals Using Electrospray. <i>Langmuir</i> , 2005, 21, 10416-10421.	3.5	44
137	Translation of interference pattern by phase shift for diamond photonic crystals. <i>Optics Express</i> , 2005, 13, 9841.	3.4	16
138	Patterned polymer photonic crystals using soft lithography and holographic lithography. <i>Synthetic Metals</i> , 2005, 148, 99-102.	3.9	26
139	Multiple-exposure holographic lithography with phase shift. <i>Applied Physics Letters</i> , 2004, 85, 4184-4186.	3.3	34
140	Fabrication of Ordered Macroporous Cylinders by Colloidal Templating in Microcapillaries. <i>Langmuir</i> , 2004, 20, 2033-2035.	3.5	88
141	Fabrication of two-dimensional photonic crystals of nonspherical atoms by holographic lithography. , 2004, , .		0
142	Packings of Uniform Microspheres with Ordered Macropores Fabricated by Double Templating. <i>Journal of the American Chemical Society</i> , 2002, 124, 13354-13355.	13.7	59
143	Demulsification of water-in-crude oil emulsions by a continuous electrostatic dehydrator. <i>Separation Science and Technology</i> , 2002, 37, 1307-1320.	2.5	62
144	Ordered Macroporous Particles by Colloidal Templating. <i>Chemistry of Materials</i> , 2001, 13, 2613-2618.	6.7	110

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145	Macrocrystalline Colloidal Assemblies in an Electric Field. <i>Advanced Materials</i> , 2001, 13, 1185-1188.	21.0	28