

Yong Chen

List of Publications by Year in descending order

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papers

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50276

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174
docs citations

174
times ranked

8739
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid-Light-Source Stereolithography for Fabricating Macro-Objects With Micro-Textures. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	6
2	Recent progress in 3D printing piezoelectric materials for biomedical applications. Journal Physics D: Applied Physics, 2022, 55, 013002.	2.8	15
3	Fabrication of flexible microheater with tunable heating capabilities by direct laser writing and selective electrodeposition. Journal of Manufacturing Processes, 2022, 74, 88-99.	5.9	8
4	Conformal topology optimization of multi-material ferromagnetic soft active structures using an extended level set method. Computer Methods in Applied Mechanics and Engineering, 2022, 389, 114394.	6.6	24
5	3D Printing of Nacre-Inspired Structures with Exceptional Mechanical and Flame-Retardant Properties. Research, 2022, 2022, 9840574.	5.7	18
6	Additive manufacturing of complex-shaped and high-performance aluminum nitride-based components for thermal management. Additive Manufacturing, 2022, 52, 102671.	3.0	12
7	In-situ transfer vat photopolymerization for transparent microfluidic device fabrication. Nature Communications, 2022, 13, 918.	12.8	34
8	Flexible ultrasound-induced retinal stimulating piezo-arrays for biomimetic visual prostheses. Nature Communications, 2022, 13, .	12.8	48
9	Limpet Toothâ€Inspired Painless Microneedles Fabricated by Magnetic Fieldâ€Assisted 3D Printing. Advanced Functional Materials, 2021, 31, 2003725.	14.9	54
10	Small molecular fluorescence dyes for immuno cell analysis. Analytical Biochemistry, 2021, 614, 114063.	2.4	6
11	Photoacoustic and piezo-ultrasound hybrid-induced energy transfer for 3D twining wireless multifunctional implants. Energy and Environmental Science, 2021, 14, 1490-1505.	30.8	23
12	Reusable support for additive manufacturing. Additive Manufacturing, 2021, 39, 101840.	3.0	12
13	Function-aware slicing using principal stress line for toolpath planning in additive manufacturing. Journal of Manufacturing Processes, 2021, 64, 1420-1433.	5.9	20
14	Mesenchymal Stem Cells and Three-Dimensional-Osteoconductive Scaffold Regenerate Calvarial Bone in Critical Size Defects in Swine. Stem Cells Translational Medicine, 2021, 10, 1170-1183.	3.3	15
15	Selfâ€Programming Synaptic Resistor Circuit for Intelligent Systems. Advanced Intelligent Systems, 2021, 3, 2100016.	6.1	4
16	3D Printing of Functional Magnetic Materials: From Design to Applications. Advanced Functional Materials, 2021, 31, 2102777.	14.9	91
17	Multi-material stereolithography using curing-on-demand printheads. Rapid Prototyping Journal, 2021, 27, 861-871.	3.2	16
18	Rapid chemically selective 3D imaging in the mid-infrared. Optica, 2021, 8, 995.	9.3	10

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19	Vat-Photopolymerization-Based Ceramic Manufacturing. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4819-4836.	2.5	12
20	Spatiotemporal Projection-Based Additive Manufacturing: A Data-Driven Image Planning Method for Subpixel Shifting in a Split Second. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100079.	6.1	7
21	Photocuring-while-writing: A 3D printing strategy to build free space structure and freeform surface texture. <i>Manufacturing Letters</i> , 2021, 29, 113-116.	2.2	2
22	Multichannel Piezo-Ultrasound Implant with Hybrid Waterborne Acoustic Metastructure for Selective Wireless Energy Transfer at Megahertz Frequencies. <i>Advanced Materials</i> , 2021, 33, e2104251.	21.0	23
23	Direct Droplet Writing – A Novel Droplet-punching Capillary-splitting 3D Printing Method for Highly Viscous Materials. <i>Procedia Manufacturing</i> , 2021, 53, 472-483.	1.9	0
24	A Vibration-Assisted Separation Method for Constrained-Surface-Based Stereolithography. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	2.2	17
25	Brain-Inspired Synaptic Resistor Circuits for Self-Programming Intelligent Systems. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000219.	6.1	3
26	An Investigation of Integrated Multiscale Three-Dimensional Printing for Hierarchical Structures Fabrication. <i>Journal of Micro and Nano-Manufacturing</i> , 2021, 9, .	0.7	3
27	3D-Printed Cactus-Inspired Spine Structures for Highly Efficient Water Collection. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901752.	3.7	68
28	3D printing of hydroxyapatite/tricalcium phosphate scaffold with hierarchical porous structure for bone regeneration. <i>Bio-Design and Manufacturing</i> , 2020, 3, 15-29.	7.7	96
29	Self-healing: A new skill unlocked for ultrasound transducer. <i>Nano Energy</i> , 2020, 68, 104348.	16.0	22
30	Ultrasound-induced wireless energy harvesting: From materials strategies to functional applications. <i>Nano Energy</i> , 2020, 77, 105131.	16.0	69
31	3D-Printing Piezoelectric Composite with Honeycomb Structure for Ultrasonic Devices. <i>Micromachines</i> , 2020, 11, 713.	2.9	48
32	Stretchable Nanolayered Thermoelectric Energy Harvester on Complex and Dynamic Surfaces. <i>Nano Letters</i> , 2020, 20, 4445-4453.	9.1	106
33	Bone-inspired healing of 3D-printed porous ceramics. <i>Materials Horizons</i> , 2020, 7, 2130-2140.	12.2	4
34	A numerically controlled shape memory alloy wire bending process using vat photopolymerization. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1322-1330.	5.9	5
35	Healable, memorizable, and transformable lattice structures made of stiff polymers. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	18
36	Cure behavior of colorful ZrO ₂ suspensions during Digital light processing (DLP) based stereolithography process. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4921-4927.	5.7	48

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37	Ultrasound-Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. <i>Advanced Functional Materials</i> , 2019, 29, 1902522.	14.9	56
38	Mask Video Projection-Based Stereolithography With Continuous Resin Flow. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019, 141, .	2.2	34
39	Regional gene therapy with 3D printed scaffolds to heal critical sized bone defects in a rat model. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2174-2182.	4.0	30
40	Digital Material Design Using Tensor-Based Error Diffusion for Additive Manufacturing. <i>CAD Computer Aided Design</i> , 2019, 114, 224-235.	2.7	14
41	Synaptic Resistors for Concurrent Inference and Learning with High Energy Efficiency. <i>Advanced Materials</i> , 2019, 31, e1808032.	21.0	36
42	Three-Dimensional Printed Piezoelectric Array for Improving Acoustic Field and Spatial Resolution in Medical Ultrasonic Imaging. <i>Micromachines</i> , 2019, 10, 170.	2.9	23
43	Electrically assisted 3D printing of nacre-inspired structures with self-sensing capability. <i>Science Advances</i> , 2019, 5, eaau9490.	10.3	214
44	Bioinspired Functional Surfaces Enabled by Multiscale Stereolithography. <i>Advanced Materials Technologies</i> , 2019, 4, 1800638.	5.8	47
45	Challenges and Status on Design and Computation for Emerging Additive Manufacturing Technologies. <i>Journal of Computing and Information Science in Engineering</i> , 2019, 19, .	2.7	50
46	3D Printing of Flexible Liquid Sensor Based on Swelling Behavior of Hydrogel with Carbon Nanotubes. <i>Advanced Materials Technologies</i> , 2019, 4, 1800476.	5.8	38
47	Flexible piezoelectric ultrasonic energy harvester array for bio-implantable wireless generator. <i>Nano Energy</i> , 2019, 56, 216-224.	16.0	105
48	Adaptive slicing based on efficient profile analysis. <i>CAD Computer Aided Design</i> , 2019, 107, 89-101.	2.7	48
49	Development of a Pilot Manufacturing Cyberinfrastructure With an Information Rich Mechanical CAD 3D Model Repository. , 2019, , .		4
50	3D-Printed Biomimetic Super-Hydrophobic Structure for Microdroplet Manipulation and Oil/Water Separation. <i>Advanced Materials</i> , 2018, 30, 1704912.	21.0	312
51	3D Printing Temporary Crown and Bridge by Temperature Controlled Mask Image Projection Stereolithography. <i>Procedia Manufacturing</i> , 2018, 26, 1023-1033.	1.9	43
52	Approximate Functionally Graded Materials for Multi-Material Additive Manufacturing. , 2018, , .		4
53	Multifocal point beam forming by a single ultrasonic transducer with 3D printed holograms. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	19
54	Mask Video Projection Based Stereolithography With Continuous Resin Flow to Build Digital Models in Minutes. , 2018, , .		2

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55	Recent Progress in Biomimetic Additive Manufacturing Technology: From Materials to Functional Structures. <i>Advanced Materials</i> , 2018, 30, e1706539.	21.0	325
56	A vibration-assisted method to reduce separation force for stereolithography. <i>Journal of Manufacturing Processes</i> , 2018, 34, 793-801.	5.9	38
57	Piezoelectric component fabrication using projection-based stereolithography of barium titanate ceramic suspensions. <i>Rapid Prototyping Journal</i> , 2017, 23, 44-53.	3.2	61
58	Fast Mask Image Projection-Based Micro-Stereolithography Process for Complex Geometry. <i>Journal of Micro and Nano-Manufacturing</i> , 2017, 5, .	0.7	17
59	Mass Customization: Reuse of Digital Slicing for Additive Manufacturing. <i>Journal of Computing and Information Science in Engineering</i> , 2017, 17, .	2.7	18
60	Photocuring Temperature Study for Curl Distortion Control in Projection-Based Stereolithography. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017, 139, .	2.2	13
61	A Reverse Compensation Framework for Shape Deformation Control in Additive Manufacturing. <i>Journal of Computing and Information Science in Engineering</i> , 2017, 17, .	2.7	20
62	Biomimetic Anisotropic Reinforcement Architectures by Electrically Assisted Nanocomposite 3D Printing. <i>Advanced Materials</i> , 2017, 29, 1605750.	21.0	212
63	Porous Structure Fabrication Using a Stereolithography-Based Sugar Foaming Method. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017, 139, .	2.2	31
64	Micro-scale feature fabrication using immersed surface accumulation. <i>Journal of Manufacturing Processes</i> , 2017, 28, 531-540.	5.9	34
65	Highly removable water support for Stereolithography. <i>Journal of Manufacturing Processes</i> , 2017, 28, 541-549.	5.9	28
66	Four-Dimensional Printing: Design and Fabrication of Smooth Curved Surface Using Controlled Self-Folding. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	2.9	14
67	Effect of Meso-scale Geometry on Piezoelectric Performances of Additively Manufactured Flexible Polymer/Pb(Zr _x Ti ^{1-x})O ₃ Composites. <i>Advanced Engineering Materials</i> , 2017, 19, 1600803.	3.5	19
68	Accurately controlled sequential self-folding structures by polystyrene film. <i>Smart Materials and Structures</i> , 2017, 26, 085040.	3.5	21
69	Multiscale Stereolithography Using Shaped Beams. <i>Journal of Micro and Nano-Manufacturing</i> , 2017, 5, .	0.7	12
70	Measurement-Based Adaptive Machining by Direct Spatial Deformation of Template CAM Data. , 2017, , .		0
71	GDFE: Geometry-Driven Finite Element for Four-Dimensional Printing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017, 139, .	2.2	10
72	Multi-Scale Stereolithography Using Shaped Beams. , 2017, , .		1

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73	Fabrication of dense zirconia-toughened alumina ceramics through a stereolithography-based additive manufacturing. <i>Ceramics International</i> , 2017, 43, 968-972.	4.8	157
74	Piezoelectric array for transducer application using additive manufacturing. , 2017, , .		1
75	Multi-scale manufacture for bio-inspired structure enabled by variable voxel stereolithography. , 2017, , .		0
76	Rope caging and grasping. , 2016, , .		14
77	A Reverse Compensation Framework for Shape Deformation in Additive Manufacturing. , 2016, , .		2
78	Mass Customization: Reuse of Digital Slicing for Additive Manufacturing. , 2016, , .		2
79	A Digital Material Design Framework for 3D-Printed Heterogeneous Objects. , 2016, , .		5
80	Three-dimensional circuit fabrication using four-dimensional printing and direct ink writing. , 2016, , .		11
81	Fabrication of fine-grained alumina ceramics by a novel process integrating stereolithography and liquid precursor infiltration processing. <i>Ceramics International</i> , 2016, 42, 17736-17741.	4.8	32
82	LISA: Linear immersed sweeping accumulation. <i>Journal of Manufacturing Processes</i> , 2016, 24, 406-415.	5.9	18
83	A structural topology design method based on principal stress line. <i>CAD Computer Aided Design</i> , 2016, 80, 19-31.	2.7	44
84	Effect of the particle size and the debinding process on the density of alumina ceramics fabricated by 3D printing based on stereolithography. <i>Ceramics International</i> , 2016, 42, 17290-17294.	4.8	170
85	Meniscus process optimization for smooth surface fabrication in Stereolithography. <i>Additive Manufacturing</i> , 2016, 12, 321-333.	3.0	27
86	3D printing of piezoelectric element for energy focusing and ultrasonic sensing. <i>Nano Energy</i> , 2016, 27, 78-86.	16.0	199
87	Preparation of a defect-free alumina cutting tool via additive manufacturing based on stereolithography " Optimization of the drying and debinding processes. <i>Ceramics International</i> , 2016, 42, 11598-11602.	4.8	152
88	Three dimensional printing of high dielectric capacitor using projection based stereolithography method. <i>Nano Energy</i> , 2016, 22, 414-421.	16.0	138
89	Geometric Analysis and Computation Using Layered Depth-Normal Images for Three-Dimensional Microfabrication. , 2016, , 119-147.		2
90	Mask Image Planning for Deformation Control in Projection-Based Stereolithography Process. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015, 137, .	2.2	24

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91	Stereolithography with variable resolutions using optical filter with high-contrast gratings. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, 06F604.	1.2	4
92	4D Printing: Design and Fabrication of 3D Shell Structures With Curved Surfaces Using Controlled Self-Folding. , 2015, , .		4
93	Four-Dimensional Printing for Freeform Surfaces: Design Optimization of Origami and Kirigami Structures. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	72
94	Smooth Surface Fabrication Based on Controlled Meniscus and Cure Depth in Microstereolithography. Journal of Micro and Nano-Manufacturing, 2015, 3, .	0.7	18
95	Origami-Based Self-Folding Structure Design and Fabrication Using Projection Based Stereolithography. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	52
96	Nanoimprint lithography enables memristor crossbars and hybrid circuits. Applied Physics A: Materials Science and Processing, 2015, 121, 467-479.	2.3	8
97	Bioinspired neuromorphic module based on carbon nanotube/C60/polymer composite. Journal of Composite Materials, 2015, 49, 1809-1822.	2.4	3
98	Development of a Low-Cost Parallel Kinematic Machine for Multidirectional Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	102
99	Ceramic fabrication using Mask-Image-Projection-based Stereolithography integrated with tape-casting. Journal of Manufacturing Processes, 2015, 20, 456-464.	5.9	126
100	The status, challenges, and future of additive manufacturing in engineering. CAD Computer Aided Design, 2015, 69, 65-89.	2.7	1,725
101	Interactive Material Design Using Model Reduction. ACM Transactions on Graphics, 2015, 34, 1-14.	7.2	67
102	Doping Modulated Carbon Nanotube Synapstors for a Spike Neuromorphic Module. Small, 2015, 11, 1571-1579.	10.0	14
103	Statistical Predictive Modeling and Compensation of Geometric Deviations of Three-Dimensional Printed Products. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	98
104	Curing Temperature Study for Curl Distortion Control and Simulation in Projection Based Stereolithography. , 2014, , .		1
105	Origami-Based Self-Folding Structure Fabrication Based on 3D Printing on Polystyrene Films. , 2014, , .		3
106	Multitool and Multi-Axis Computer Numerically Controlled Accumulation for Fabricating Conformal Features on Curved Surfaces. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	51
107	Deformation Control Based on In-Situ Sensors for Mask Projection Based Stereolithography. , 2014, , .		3
108	Analog Neuromorphic Module Based on Carbon Nanotube Synapses. ACS Nano, 2013, 7, 6117-6122.	14.6	84

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109	A Carbon Nanotube Synapse with Dynamic Logic and Learning. <i>Advanced Materials</i> , 2013, 25, 1693-1698.	21.0	258
110	Nonvolatile Analog Memory Transistor Based on Carbon Nanotubes and C60 Molecules. <i>Small</i> , 2013, 9, 2283-2287.	10.0	34
111	An integrated CNC accumulation system for automatic building-around-inserts. <i>Journal of Manufacturing Processes</i> , 2013, 15, 432-443.	5.9	23
112	An Origami Inspired Additive Manufacturing Process for Building Thin-Shell Structures. , 2013, , .		3
113	Modeling and Fabrication of Heterogeneous Three-Dimensional Objects Based on Additive Manufacturing. , 2013, , .		9
114	Direct Geometry Processing for Telefabrication. <i>Journal of Computing and Information Science in Engineering</i> , 2013, 13, .	2.7	25
115	Thickening freeform surfaces for solid fabrication. <i>Rapid Prototyping Journal</i> , 2013, 19, 395-406.	3.2	31
116	Regulating complex geometries using layered depthâ€normal images for rapid prototyping and manufacturing. <i>Rapid Prototyping Journal</i> , 2013, 19, 253-268.	3.2	15
117	GPU-Based Super-union for Minkowski Sum. <i>Computer-Aided Design and Applications</i> , 2013, 10, 475-487.	0.6	4
118	Digital material fabrication using maskâ€imageâ€projectionâ€based stereolithography. <i>Rapid Prototyping Journal</i> , 2013, 19, 153-165.	3.2	204
119	Multi-piece mould design based on a mixed-integer programming method. <i>International Journal of Computer Integrated Manufacturing</i> , 2013, 26, 939-954.	4.6	0
120	Intersection-Free and Topologically Faithful Slicing of Implicit Solid. <i>Journal of Computing and Information Science in Engineering</i> , 2013, 13, .	2.7	37
121	A Carbon Nanotube Synapse with Dynamic Logic and Learning (Adv. Mater. 12/2013). <i>Advanced Materials</i> , 2013, 25, 1692-1692.	21.0	6
122	A Fast Mask Projection Stereolithography Process for Fabricating Digital Models in Minutes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012, 134, .	2.2	126
123	Metallic part fabrication using selective inhibition sintering (SIS). <i>Rapid Prototyping Journal</i> , 2012, 18, 144-153.	3.2	25
124	Design of Origami Sheets for Foldable Object Fabrication. , 2012, , .		3
125	Ultrasound Transducer Array Fabrication Based on Additive Manufacturing of Piezocomposites. , 2012, , .		20
126	Rapid Manufacturing in Minutes: The Development of a Mask Projection Stereolithography Process for High-Speed Fabrication. , 2012, , .		10

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127	Mask Image Planning for Deformation Control in Projection-Based Stereolithography Process. , 2012, , .		2
128	Joint Design for 3-D Printing Non-Assembly Mechanisms. , 2012, , .		12
129	Organic resistive nonvolatile memory materials. MRS Bulletin, 2012, 37, 144-149.	3.5	104
130	Additive manufacturing based on optimized mask video projection for improved accuracy and resolution. Journal of Manufacturing Processes, 2012, 14, 107-118.	5.9	76
131	Direct Geometry Processing for Tele-Fabrication. , 2012, , .		3
132	A rapid shape acquisition method by integrating user touching input. Virtual and Physical Prototyping, 2011, 6, 133-147.	10.4	2
133	Mycobacterium tuberculosis detection via rolling circle amplification. Analytical Methods, 2011, 3, 267-273.	2.7	13
134	Self-Intersection Free and Topologically Faithful Slicing of Implicit Solid. , 2011, , .		2
135	Fabrication of Conformal Ultrasound Transducer Arrays and Horns Based on Multi-Axis CNC Accumulation. , 2011, , .		0
136	Parallel and efficient Boolean on polygonal solids. Visual Computer, 2011, 27, 507-517.	3.5	23
137	Functionalized Carbon Nanotube Networks with Field-tunable Bandgaps. Advanced Materials, 2011, 23, 3075-3079.	21.0	4
138	Uniform offsetting of polygonal model based on Layered Depth-Normal Images. CAD Computer Aided Design, 2011, 43, 31-46.	2.7	53
139	A layerless additive manufacturing process based on CNC accumulation. Rapid Prototyping Journal, 2011, 17, 218-227.	3.2	74
140	Contouring of Structured Points With Small Features. , 2010, , .		4
141	Additive Manufacturing Based on Multiple Calibrated Projectors and Its Mask Image Planning. , 2010, , .		3
142	Five-Axis Manufacturing Simulation Based on Normal Arc Mapping and Offset Volume Computation. , 2010, , .		0
143	Fully integrated CMOS nano-particle assembly circuit for biological detections. Analog Integrated Circuits and Signal Processing, 2010, 62, 69-75.	1.4	3
144	Patterning and Templating for Nanoelectronics. Advanced Materials, 2010, 22, 769-778.	21.0	107

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145	Ionic/Electronic Hybrid Materials Integrated in a Synaptic Transistor with Signal Processing and Learning Functions. <i>Advanced Materials</i> , 2010, 22, 2448-2453.	21.0	283
146	Solid modeling of polyhedral objects by Layered Depth-Normal Images on the GPU. <i>CAD Computer Aided Design</i> , 2010, 42, 535-544.	2.7	68
147	Fabrication of a 3D Nanoscale Crossbar Circuit by Nanotransfer-Printing Lithography. <i>Small</i> , 2010, 6, 1663-1668.	10.0	17
148	Nanocircuits: Fabrication of a 3D Nanoscale Crossbar Circuit by Nanotransfer-Printing Lithography (Small 15/2010). <i>Small</i> , 2010, 6, n/a-n/a.	10.0	0
149	Configurable Neural Phase Shifter With Spike-Timing-Dependent Plasticity. <i>IEEE Electron Device Letters</i> , 2010, 31, 716-718.	3.9	12
150	Optimized Mask Image Projection for Solid Freeform Fabrication. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009, 131, .	2.2	51
151	Titelbild: Biomolecular Nanopatterning by Magnetic Electric Lithography (<i>Angew. Chem.</i> 5/2009). <i>Angewandte Chemie</i> , 2009, 121, 843-843.	2.0	0
152	Biomolecular Nanopatterning by Magnetic Electric Lithography. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 952-955.	13.8	18
153	Cover Picture: Biomolecular Nanopatterning by Magnetic Electric Lithography (<i>Angew. Chem. Int. Ed.</i>) Tj ETQq1 1 0,784314 rgBT /Ove	13.8	18
154	Biomolecular Nanopatterning by Electrophoretic Printing Lithography. <i>Small</i> , 2009, 5, 63-66.	10.0	8
155	A resist for electric imprint lithography. <i>Microelectronic Engineering</i> , 2009, 86, 392-396.	2.4	3
156	Analog memory capacitor based on field-configurable ion-doped polymers. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	34
157	Fluid assisted assembly of one-dimensional nanoparticle array inside inorganic nanotubes. <i>Journal of Materials Chemistry</i> , 2009, 19, 921-923.	6.7	18
158	Design of Flexible Skin for Target Displacements Based on Meso-Structures. , 2009, , .		6
159	Sensitive and selective viral DNA detection assay via microbead-based rolling circle amplification. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5871-5874.	2.2	22
160	Electrically curable double-layer polymer resist for dynamic nanoscale lithography. <i>Soft Matter</i> , 2008, 4, 1178.	2.7	2
161	An Organic/Si Nanowire Hybrid Field Configurable Transistor. <i>Nano Letters</i> , 2008, 8, 876-880.	9.1	34
162	A fully integrated CMOS bio-chip aiming at selective assembly of charged nano-particles. , 2008, , .		0

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163	Nonvolatile memory devices with Cu ₂ S and Cu-Pc bilayered films. Applied Physics Letters, 2007, 91, .	3.3	51
164	3D Texture Mapping for Rapid Manufacturing. Computer-Aided Design and Applications, 2007, 4, 761-771.	0.6	72
165	Robust and Accurate Boolean Operations on Polygonal Models. , 2007, , .		5
166	An accurate sampling-based method for approximating geometry. CAD Computer Aided Design, 2007, 39, 975-986.	2.7	13
167	Organic nonvolatile memory by dopant-configurable polymer. Applied Physics Letters, 2006, 88, 133515.	3.3	62
168	Dopant-configurable polymeric materials for electrically switchable devices. Journal of Materials Chemistry, 2006, 16, 4160.	6.7	15
169	Vapor-Phase Self-Assembled Monolayer for Improved Mold Release in Nanoimprint Lithography. Langmuir, 2005, 21, 1158-1161.	3.5	267
170	Nanoscale molecular-switch devices fabricated by imprint lithography. Applied Physics Letters, 2003, 82, 1610-1612.	3.3	259
171	The rapid tooling testbed: a distributed designâ€”forâ€”manufacturing system. Rapid Prototyping Journal, 2003, 9, 122-132.	3.2	17