Panagiotis Argitis

List of Publications by Year
in descending order

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208	4,752	87723	133063
papers	citations	38 h-index	59 g-index

213	213	213	6301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commercially available chromophores as low-cost efficient electron injection layers for organic light emitting diodes. Journal Physics D: Applied Physics, 2022, 55, 215106.	1.3	3
2	Defect passivation in perovskite solar cells using an amino-functionalized BODIPY fluorophore. Sustainable Energy and Fuels, 2022, 6, 2570-2580.	2.5	7
3	PEDOT:PSS:sulfonium salt composite hole injection layers for efficient organic light emitting diodes. Organic Electronics, 2021, 93, 106155.	1.4	2
4	Fiberâ€Shaped Electronic Devices. Advanced Energy Materials, 2021, 11, 2101443.	10.2	74
5	Enhanced Organic and Perovskite Solar Cell Performance through Modification of the Electron-Selective Contact with a Bodipyâ€“Porphyrin Dyad. ACS Applied Materials & Interfaces, 2020, 12, 1120-1131.	4.0	27
6	High Sensitivity Resists for EUV Lithography: A Review of Material Design Strategies and Performance Results. Nanomaterials, 2020, 10, 1593.	1.9	62
7	Suppressing the Photocatalytic Activity of Zinc Oxide Electron-Transport Layer in Nonfullerene Organic Solar Cells with a Pyrene-Bodipy Interlayer. ACS Applied Materials & Interfaces, 2020, 12, 21961-21973.	4.0	57
8	Inorganic and Hybrid Interfacial Materials for Organic and Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2000910.	10.2	54
9	Ionâ€Activated Greatly Enhanced Conductivity of Thin Organic Semiconducting Films in Twoâ€Terminal Devices. Advanced Electronic Materials, 2020, 6, 2000238.	2.6	1
10	Molecular materials as interfacial layers and additives in perovskite solar cells. Chemical Society Reviews, 2020, 49, 4496-4526.	18.7	130
11	Reacquisition of a spindle cell shape does not lead to the restoration of a youthful state in senescent human skin fibroblasts. Biogerontology, 2020, 21, 695-708.	2.0	3
12	Reversible chemocapacitor system based on PDMAEMA polymers for fast sensing of VOCs mixtures. Microelectronic Engineering, 2020, 227, 111304.	1.1	4
13	Interfacial engineering for organic and perovskite solar cells using molecular materials. Journal Physics D: Applied Physics, 2020, 53, 263001.	1.3	6
14	A carbon-doped tantalum dioxyfluoride as a superior electron transport material for high performance organic optoelectronics. Nano Energy, 2020, 70, 104508.	8.2	8
15	Lithium Doping of ZnO for High Efficiency and Stability Fullerene and Non-fullerene Organic Solar Cells. ACS Applied Energy Materials, 2019, 2, 1663-1675.	2.5	52
16	Organic solar cells of enhanced efficiency and stability using zinc oxide:zinc tungstate nanocomposite as electron extraction layer. Organic Electronics, 2019, 71, 227-237.	1.4	18
17	Bio-orthogonal fluorinated resist for biomolecules patterning applications. Colloids and Surfaces B: Biointerfaces, 2019, 178, 208-213.	2.5	4
18	Guided cell adhesion, orientation, morphology and differentiation on silicon substrates photolithographically micropatterned with a cell-repellent cross-linked poly(vinyl alcohol) film. Biomedical Materials (Bristol), 2019, 14, 014101.	1.7	11

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19	Multi-electron reduction of Wellsâ€“Dawson polyoxometalate films onto metallic, semiconducting and dielectric substrates. Physical Chemistry Chemical Physics, 2019, 21, 427-437.	1.3	17
20	Plasma induced degradation and surface electronic structure modification of Poly(3-hexylthiophene) films. Polymer Degradation and Stability, 2018, 149, 162-172.	2.7	7
21	A silanol-functionalized polyoxometalate with excellent electron transfer mediating behavior to ZnO and TiO₂ cathode interlayers for highly efficient and extremely stable polymer solar cells. Journal of Materials Chemistry C, 2018, 6, 1459-1469.	2.7	25
22	Engineering of Porphyrin Molecules for Use as Effective Cathode Interfacial Modifiers in Organic Solar Cells of Enhanced Efficiency and Stability. ACS Applied Materials & Interfaces, 2018, 10, 20728-20739.	4.0	22
23	Insights into the passivation effect of atomic layer deposited hafnium oxide for efficiency and stability enhancement in organic solar cells. Journal of Materials Chemistry C, 2018, 6, 8051-8059.	2.7	20
24	Functionalized Zinc Porphyrins with Various Peripheral Groups for Interfacial Electron Injection Barrier Control in Organic Light Emitting Diodes. ACS Omega, 2018, 3, 10008-10018.	1.6	11
25	Ultra-sensitive EUV resists based on acid-catalyzed polymer backbone breaking. , 2018, , .		1
26	Avoiding ambient air and light induced degradation in high-efficiency polymer solar cells by the use of hydrogen-doped zinc oxide as electron extraction material. Nano Energy, 2017, 34, 500-514.	8.2	45
27	Low Work Function Lacunary Polyoxometalates as Electron Transport Interlayers for Inverted Polymer Solar Cells of Improved Efficiency and Stability. ACS Applied Materials & Interfaces, 2017, 9, 22773-22787.	4.0	23
28	The effect of TiO₂ component on the properties of acrylic and urea-aldehyde resins under accelerated ageing conditions. Pure and Applied Chemistry, 2017, 89, 1659-1671.	0.9	5
29	Improved Stability of Polymer Solar Cells in Ambient Air via Atomic Layer Deposition of Ultrathin Dielectric Layers. Advanced Materials Interfaces, 2017, 4, 1700231.	1.9	8
30	Microwave exposure as a fast and cost-effective alternative of oxygen plasma treatment of indium-tin oxide electrode for application in organic solar cells. Journal Physics D: Applied Physics, 2017, 50, 505105.	1.3	0
31	Hydrogen and nitrogen codoping of anatase TiO2 for efficiency enhancement in organic solar cells. Scientific Reports, 2017, 7, 17839.	1.6	24
32	Positive molecular resists. Frontiers of Nanoscience, 2016, 11, 319-348.	0.3	1
33	New resist materials based on polyacetal main chain scission. Proceedings of SPIE, 2016, , .	0.8	0
34	Direct Current Conductivity of Thin-Film Ionic Conductors from Analysis of Dielectric Spectroscopic Measurements in Time and Frequency Domains. Journal of Physical Chemistry C, 2016, 120, 21254-21262.	1.5	3
35	Dehydration of molybdenum oxide hole extraction layers via microwave annealing for the improvement of efficiency and lifetime in organic solar cells. Journal of Materials Chemistry C, 2016, 4, 7683-7694.	2.7	13
36	Porphyrinâ€Sensitized Evolution of Hydrogen using Dawson and Keplerate Polyoxometalate Photocatalysts. ChemSusChem, 2016, 9, 3213-3219.	3.6	37

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37	Waterâ€Soluble Lacunary Polyoxometalates with Excellent Electron Mobilities and Hole Blocking Capabilities for High Efficiency Fluorescent and Phosphorescent Organic Light Emitting Diodes. Advanced Functional Materials, 2016, 26, 2655-2665.	7.8	35
38	Surface passivation effect by fluorine plasma treatment on ZnO for efficiency and lifetime improvement of inverted polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 11844-11858.	5.2	62
39	Exploring the potential of Multiphoton Laser Ablation Lithography (MP-LAL) as a reliable technique for sub-50nm patterning. Proceedings of SPIE, 2016, , .	0.8	1
40	Surface Modification of ZnO Layers via Hydrogen Plasma Treatment for Efficient Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 1194-1205.	4.0	35
41	Solution processed multi-color organic light emitting diodes for application in telecommunications. Microelectronic Engineering, 2015, 145, 21-28.	1.1	6
42	Annealing-free highly crystalline solution-processed molecular metal oxides for efficient single-junction and tandem polymer solar cells. Energy and Environmental Science, 2015, 8, 2448-2463.	15.6	68
43	Old Metal Oxide Clusters in New Applications: Spontaneous Reduction of Keggin and Dawson Polyoxometalate Layers by a Metallic Electrode for Improving Efficiency in Organic Optoelectronics. Journal of the American Chemical Society, 2015, 137, 6844-6856.	6.6	115
44	Immobilization of Lipid Substrates: Application on Phospholipase A₂ Determination. Lipids, 2015, 50, 1259-1271.	0.7	0
45	Near-IR organic light emitting diodes based on porphyrin compounds. , 2015, , .		1
46	Influence of microwave exposure of tungsten oxide hole extraction layers on nanomorphology, optical and electrical properties of organic photovoltaics. , 2015, , .		0
47	Lithographically tuned one dimensional polymeric photonic crystal arrays. Optics and Laser Technology, 2015, 68, 105-112.	2.2	1
48	Scalable fabrication of nanostructured p-Si/n-ZnO heterojunctions by femtosecond-laser processing. Materials Research Express, 2014, 1, 045902.	0.8	8
49	Tungsten polyoxometalate molecules as active nodes for dynamic carrier exchange in hybrid molecular/semiconductor capacitors. Journal of Applied Physics, 2014, 116, 143703.	1.1	13
50	Large work function shift of organic semiconductors inducing enhanced interfacial electron transfer in organic optoelectronics enabled by porphyrin aggregated nanostructures. Nano Research, 2014, 7, 679-693.	5.8	46
51	Theoretical study on the electronic structure of triphenyl sulfonium salts: Electronic excitation and electron transfer processes. Chemical Physics Letters, 2014, 601, 63-68.	1.2	11
52	Solution-processed nanostructured zinc oxide cathode interfacial layers for efficient inverted organic photovoltaics. Microelectronic Engineering, 2014, 119, 100-104.	1.1	17
53	Fast Recovery of the High Work Function of Tungsten and Molybdenum Oxides via Microwave Exposure for Efficient Organic Photovoltaics. Journal of Physical Chemistry Letters, 2014, 5, 1871-1879.	2.1	25
54	The role of metal/metal oxide/organic anode interfaces in efficiency and stability of bulk heterojunction organic photodetectors. Microelectronic Engineering, 2014, 117, 13-17.	1.1	7

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55	Solutionâ€Processed Hydrogen Molybdenum Bronzes as Highly Conductive Anode Interlayers in Efficient Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1300896.	10.2	56
56	Porphyrin oriented self-assembled nanostructures for efficient exciton dissociation in high-performing organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 182-192.	5.2	60
57	Hydrogenated under-stoichiometric tungsten oxide anode interlayers for efficient and stable organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 1738-1749.	5.2	161
58	Protein-Resistant Cross-Linked Poly(vinyl alcohol) Micropatterns via Photolithography Using Removable Polyoxometalate Photocatalyst. ACS Applied Materials & Interfaces, 2014, 6, 17463-17473.	4.0	14
59	Solâ€“gel synthesized, low-temperature processed, reduced molybdenum peroxides for organic optoelectronics applications. Journal of Materials Chemistry C, 2014, 2, 6290.	2.7	38
60	Atomicâ€Layerâ€Deposited Aluminum and Zirconium Oxides for Surface Passivation of TiO₂ in Highâ€Efficiency Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1400214.	10.2	52
61	Harnessing photochemical internalization with dual degradable nanoparticles for combinatorial photoâ€“chemotherapy. Nature Communications, 2014, 5, 3623.	5.8	120
62	Enhancing spectral response of organic photodetectors through surface modification of metal oxide electrodes. , 2014, , .		1
63	Organic photovoltaic performance improvement using atomic layer deposited ZnO electron-collecting layers. Solid-State Electronics, 2014, 101, 50-56.	0.8	8
64	1-D polymeric photonic crystals as spectroscopic zero-power humidity sensors. Microelectronic Engineering, 2014, 115, 55-60.	1.1	23
65	Emergence of ambient temperature ferroelectricity in meso-tetrakis(1-methylpyridinium-4-yl)porphyrin chloride thin films. Applied Physics Letters, 2013, 103, 022908.	1.5	5
66	Polymer photonic technologies for optical communications. , 2013, , .		2
67	All-Organic Sulfonium Salts Acting as Efficient Solution Processed Electron Injection Layer for PLEDs. ACS Applied Materials & Interfaces, 2013, 5, 12346-12354.	4.0	17
68	Vapor-deposited hydrogenated and oxygen-deficient molybdenum oxide thin films for application in organic optoelectronics. Surface and Coatings Technology, 2013, 230, 202-207.	2.2	26
69	Influence of the anion on the optoelectronic characteristics of triphenylsulfonium salts modified polymer light emitting devices. Synthetic Metals, 2013, 181, 37-44.	2.1	9
70	Atomic layer deposited zirconium oxide electron injection layer for efficient organic light emitting diodes. Organic Electronics, 2013, 14, 312-319.	1.4	14
71	Highly porous tungsten oxides for electrochromic applications. Microelectronic Engineering, 2013, 111, 149-153.	1.1	18
72	Radiation Sensors Based on the Generation of Mobile Protons in Organic Dielectrics. ACS Applied Materials & Interfaces, 2013, 5, 5667-5674.	4.0	11

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73	Solution processable tungsten polyoxometalate as highly effective cathode interlayer for improved efficiency and stability polymer solar cells. Solar Energy Materials and Solar Cells, 2013, 114, 205-213.	3.0	63
74	Effect of triphenylsulfonium triflate addition in wide band-gap polymer light-emitting diodes: improved charge injection, transport and electroplex-induced emission tuning. RSC Advances, 2012, 2, 11786.	1.7	8
75	The Influence of Hydrogenation and Oxygen Vacancies on Molybdenum Oxides Work Function and Gap States for Application in Organic Optoelectronics. Journal of the American Chemical Society, 2012, 134, 16178-16187.	6.6	340
76	Photo-patternable fluorinated polyhedral oligomeric silsequioxane-functionalized (POSS-F) polymeric materials with ultra low dielectric constants. Materials Chemistry and Physics, 2012, 135, 880-883.	2.0	6
77	Barrierless hole injection through sub-bandgap occupied states in organic light emitting diodes using substoichiometric MoOx anode interfacial layer. Applied Physics Letters, 2012, 100, .	1.5	54
78	Conduction mechanisms in tungsten-polyoxometalate self-assembled molecular junctions. Microelectronic Engineering, 2012, 97, 150-153.	1.1	2
79	Reduced transition metal oxides as electron injection layers in hybrid-PLEDs. Microelectronic Engineering, 2012, 90, 59-61.	1.1	9
80	High performance organic light emitting diodes using substoichiometric tungsten oxide as efficient hole injection layer. Organic Electronics, 2012, 13, 796-806.	1.4	56
81	Photodegradable Polymers for Biotechnological Applications. Macromolecular Rapid Communications, 2012, 33, 183-198.	2.0	111
82	Incorporating triphenyl sulfonium salts in polyfluorene PLEDs: an all-organic approach to improved charge injection. Journal of Materials Chemistry, 2011, 21, 9296.	6.7	16
83	Selective immobilization of proteins guided by photo-patterned poly(vinyl alcohol) structures. Procedia Engineering, 2011, 25, 292-295.	1.2	3
84	Powerless and Reversible Color Humidity Sensor. Procedia Engineering, 2011, 25, 1177-1180.	1.2	4
85	A transmission line model for the optical simulation of multilayer structures and its application for oblique illumination of an organic solar cell with anisotropic extinction coefficient. Journal of Applied Physics, 2011, 110, 114506.	1.1	13
86	Fluorescence properties of organic dyes: quantum chemical studies on the green/blue neutral and protonated DMA-DPH emitters in polymer matrices. Physical Chemistry Chemical Physics, 2011, 13, 21273.	1.3	3
87	Reduction of Tungsten Oxide: A Path Towards Dual Functionality Utilization for Efficient Anode and Cathode Interfacial Layers in Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2011, 21, 1489-1497.	7.8	99
88	Laserâ€Induced Cell Detachment and Patterning with Photodegradable Polymer Substrates. Angewandte Chemie - International Edition, 2011, 50, 4142-4145.	7.2	53
89	Molecular junctions made of tungsten-polyoxometalate self-assembled monolayers: Towards polyoxometalate-based molecular electronics devices. Microelectronic Engineering, 2011, 88, 2775-2777.	1.1	17
90	Tungsten oxides as interfacial layers for improved performance in hybrid optoelectronic devices. Thin Solid Films, 2011, 519, 5748-5753.	0.8	38

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91	Interface engineering for efficient organic optoelectronic devices using nanostructured transition metal oxides. , 2011, , .		0
92	Reduced molybdenum oxide as an efficient electron injection layer in polymer light-emitting diodes. Applied Physics Letters, 2011, 98, 123301.	1.5	49
93	1-D polymeric Photonic Crystal humido-chromic sensor. , 2011, , .		0
94	Optical Modeling of Hybrid Polymer Solar Cells Using a Transmission-Line Model and Comparison With Experimental Results. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1784-1791.	1.9	18
95	Optimized surface silylation of chemically amplified epoxidized photoresists for micromachining applications. Journal of Applied Polymer Science, 2010, 117, 2189-2195.	1.3	6
96	A water soluble inorganic molecular oxide as a novel efficient electron injection layer for hybrid light-emitting diodes (HyLEDs). Organic Electronics, 2010, 11, 887-894.	1.4	45
97	Electrochemical biosensor microarray functionalized by means of biomolecule friendly photolithography. Biosensors and Bioelectronics, 2010, 25, 2115-2121.	5.3	26
98	Nanostructured Metal Oxides as Cathode Interfacial Layers for Hybrid-Polymer Electronic Devices. Advances in Science and Technology, 2010, 75, 74-78.	0.2	0
99	Theoretical Investigation on the Effect of Protonation on the Absorption and Emission Spectra of Two Amine-Group-Bearing, Red â€œPushâ”Pullâ€•Emitters, 4-Dimethylamino-4â€²-nitrostilbene and 4-(dicyanomethylene)-2-methyl-6-‹i›p‹/i›-(dimethylamino) styryl-4H-pyran, by DFT and TDDFT Calculations. Journal of Physical Chemistry A, 2010, 114, 5580-5587.	1.1	42
100	Thermally-Induced Acid Generation from 18-Molybdodiphosphate and 18-Tungstodiphosphate within Poly(2-Hydroxyethyl Methacrylate) Films. Chemistry of Materials, 2010, 22, 2730-2740.	3.2	9
101	Memory Structures Based on the Self-organization of Cu Nanoparticles Deposited by Hot-Wire CVD on Polythiophene Layers. ECS Transactions, 2009, 25, 1073-1079.	0.3	0
102	Highly transparent partially fluorinated methacrylate polymers for optical waveguides. Microelectronic Engineering, 2009, 86, 1142-1145.	1.1	12
103	Photopatterned PLED arrays for biosensing applications. Microelectronic Engineering, 2009, 86, 1511-1514.	1.1	5
104	Chemical binding of biomolecules to micropatterned epoxy modified surfaces for biosensing applications. Microelectronic Engineering, 2009, 86, 1473-1476.	1.1	3
105	Hybrid organicâ€“inorganic materials for molecular proton memory devices. Organic Electronics, 2009, 10, 711-718.	1.4	8
106	Photochemically-Induced Acid Generation from 18-Molybdodiphosphate and 18-Tungstodiphosphate within Poly(2-Hydroxyethyl Methacrylate) Films. Inorganic Chemistry, 2009, 48, 4896-4907.	1.9	3
107	A low temperature surface modification assisted method for bonding plastic substrates. Journal of Micromechanics and Microengineering, 2009, 19, 015007.	1.5	132
108	Surface modification of polyhedral oligomeric silsesquioxane block copolymer films by 157 nm laser light. Journal of Applied Physics, 2009, 105, .	1.1	9

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109	Materials for lithography in the nanoscale. International Journal of Nanotechnology, 2009, 6, 71.	0.1	9
110	Aqueous base developable: easy stripping, high aspect ratio negative photoresist for optical and proton beam lithography. Microsystem Technologies, 2008, 14, 1423-1428.	1.2	7
111	Flexible WO3based electrochromic displays using proton conducting solid electrolytes. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3868-3871.	0.8	3
112	Flexible organic light emitting diodes (OLEDs) based on a blue emitting polyfluorene. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3658-3662.	0.8	10
113	Preface: phys. stat. sol. (c) 5/12. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3566-3567.	0.8	0
114	Energy transfer processes among emitters dispersed in a single polymer layer for colour tuning in OLEDs. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2526-2531.	0.8	16
115	Allâ€organic optocouplers based on polymer lightâ€emitting diodes and photodetectors. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2522-2525.	0.8	9
116	Molecular Storage Elements for Proton Memory Devices. Advanced Materials, 2008, 20, 4568-4574.	11.1	36
117	High aspect ratio micro/nano machining with proton beam writing on aqueous developable â€“ easily stripped negative chemically-amplified resists. Microelectronic Engineering, 2008, 85, 945-948.	1.1	5
118	Vertical devices of self-assembled hybrid organic/inorganic monolayers based on tungsten polyoxometalates. Microelectronic Engineering, 2008, 85, 1399-1402.	1.1	54
119	Stochastic simulation studies of molecular resists for the 32nm technology node. Microelectronic Engineering, 2008, 85, 949-954.	1.1	11
120	Polyoxometalate-Based Layered Structures for Charge Transport Control in Molecular Devices. ACS Nano, 2008, 2, 733-742.	7.3	113
121	A combined experimental and simulation study on thickness dependence of the emission characteristics in multicolor single layer organic light-emitting diodes. Applied Physics Letters, 2008, 93, 083310.	1.5	5
122	Exposure of molecular glass resist by e-beam and EUVIL. , 2007, , .		6
123	Tuning the Emitting Color of Organic Lightâ€Emitting Diodes Through Photochemically Induced Transformations: Towards Singleâ€Layer, Patterned, Fullâ€Color Displays and Whiteâ€Lighting Applications. Advanced Functional Materials, 2007, 17, 3477-3485.	7.8	50
124	Polymer self-assembled nano-structures and surface relief gratings induced with laser at 157nm. Applied Surface Science, 2007, 253, 7884-7889.	3.1	18
125	A biomolecule friendly photolithographic process for fabrication of protein microarrays on polymeric films coated on silicon chips. Biosensors and Bioelectronics, 2007, 22, 1994-2002.	5.3	56
126	Nano-scale spatial control over surface morphology of biocompatible fluoropolymers at 157Ânm. Materials Science and Engineering C, 2007, 27, 1191-1196.	3.8	7

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127	Stochastic simulation studies of molecular resists. Microelectronic Engineering, 2007, 84, 1062-1065.	1.1	25
128	Partially Fluorinated, Polyhedral Oligomeric Silsesquioxane-Functionalized (Meth)Acrylate Resists for 193 nm Bilayer Lithography. Chemistry of Materials, 2006, 18, 4040-4048.	3.2	23
129	Photochemically-induced ligand exchange reactions of ethoxy-oxo-molybdenum(V) tetraphenylporphyrin in chlorinated solvents. Polyhedron, 2006, 25, 3427-3434.	1.0	10
130	Layer-by-layer UV micromachining methodology of epoxy resist embedded microchannels. Microelectronic Engineering, 2006, 83, 1298-1301.	1.1	14
131	Electrical characterization of molecular monolayers containing tungsten polyoxometalates. Microelectronic Engineering, 2006, 83, 1757-1760.	1.1	15
132	Polymeric electrolytes for WO3-based all solid-state electrochromic displays. Microelectronic Engineering, 2006, 83, 1414-1417.	1.1	26
133	Plasma oxidation of polyhedral oligomeric silsesquioxane polymers. Journal of Vacuum Science & Technology B, 2006, 24, 2678.	1.3	27
134	Photolithographic Process Based on High Contrast Acrylate Photoresist for Multi-Protein Patterning. Materials Research Society Symposia Proceedings, 2006, 950, 1.	0.1	0
135	Patterning Scheme Based on Photoacid Induced Spectral Changes for Single Layer, Patterned Full Color Light Emitting Diodes. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
136	Characterization of various low-kdielectrics for possible use in applications at temperatures below 160 Â°C. Journal of Physics: Conference Series, 2005, 10, 218-221.	0.3	16
137	Self assembled structures on fluoro-polymers induced with laser light at 157nm. Applied Surface Science, 2005, 248, 248-253.	3.1	12
138	157-nm Laser ablation of polymeric layers for fabrication of biomolecule microarrays. Analytical and Bioanalytical Chemistry, 2005, 381, 1027-1032.	1.9	20
139	Characterization of various insulators for possible use as low-k dielectrics deposited at temperatures below 200Â°C. Microelectronics Reliability, 2005, 45, 990-993.	0.9	11
140	Photochemically induced emission tuning of conductive polumers used in OLEDs. Journal of Physics: Conference Series, 2005, 10, 285-288.	0.3	1
141	Fabrication of WO3-based electrochromic displays using solid or gel-like organic electrolytes. Journal of Physics: Conference Series, 2005, 10, 329-332.	0.3	4
142	Glass Transition Temperature Monitoring in Bilayer and Patterned Photoresist Films. Japanese Journal of Applied Physics, 2004, 43, 5247-5248.	0.8	4
143	Surface segregation of photoresist copolymers containing polyhedral oligomeric silsesquioxanes studied by x-ray photoelectron spectroscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2526.	1.6	16
144	Evaluation of poly(hydroxyethyl methacrylate) imaging chemistries for micropatterning applications. Journal of Materials Chemistry, 2004, 14, 3312.	6.7	29

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145	Polyhedral Oligomeric Silsesquioxane (POSS) Based Resists:â€‰ Material Design Challenges and Lithographic Evaluation at 157 nm. Chemistry of Materials, 2004, 16, 2567-2577.	3.2	55
146	Polyhedral oligomeric silsesquioxane (POSS) acrylate copolymers for microfabrication: properties and formulation of resist materials. Microelectronic Engineering, 2004, 73-74, 238-243.	1.1	38
147	Resist process issues related to the glass transition changes in chemically amplified resist films. Microelectronic Engineering, 2003, 67-68, 283-291.	1.1	6
148	The challenges of 157 nm nanolithography: surface morphology of silicon-based copolymers. Materials Science and Engineering C, 2003, 23, 995-999.	3.8	23
149	Nanostructured imaging of biological specimens in vivo with laser plasma X-ray contact microscopy. Materials Science and Engineering C, 2003, 23, 105-108.	3.8	4
150	Transport properties of polyoxometalate containing polymeric materials. Synthetic Metals, 2003, 138, 267-269.	2.1	8
151	Tunneling transport in polyoxometalate based composite materials. Applied Physics Letters, 2003, 83, 488-490.	1.5	47
152	Photoresist etch resistance enhancement using novel polycarbocyclic derivatives as additives. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 141.	1.6	12
153	Glass transition temperature studies in thin photoresist films with an interferometric method. , 2003, , .		0
154	Polyhedral oligomeric silsesquioxane (POSS) based resist materials for 157-nm lithography. , 2003, , .		3
155	Partially hydrogenated poly(vinyl phenol) based photoresist for near UV, high aspect ratio micromachining. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2968.	1.6	9
156	Evaluation of siloxane and polyhedral silsesquioxane copolymers for 157 nm lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2902.	1.6	26
157	Highly Efficient Bicolor (Greenâ^'Blue) Fluorescence Imaging in Polymeric Films. Chemistry of Materials, 2002, 14, 790-796.	3.2	35
158	Dilute aqueous base developable resists for environmentally friendly and biocompatible processes. Microelectronic Engineering, 2002, 61-62, 819-827.	1.1	17
159	He2 60â€“90 nm photon source for investigating photodissociation dynamics of potential X-UV resists. Microelectronic Engineering, 2002, 61-62, 157-163.	1.1	1
160	Strippable aqueous base developable negative photoresist for high aspect ratio micromachining. Microelectronic Engineering, 2002, 61-62, 729-735.	1.1	12
161	UV exposure and temperature effects on curing mechanisms in thin linseed oil films: Spectroscopic and chromatographic studies. Journal of Applied Polymer Science, 2002, 84, 936-949.	1.3	30
162	Multi-analyte capillary immunosensor for the determination of hormones in human serum samples. Biosensors and Bioelectronics, 2002, 17, 261-268.	5.3	50

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163	Biocompatible photolithographic process for the patterning of biomolecules. Biosensors and Bioelectronics, 2002, 17, 269-278.	5.3	52
164	Free-radical synthesis of narrow polydispersed 2-hydroxyethyl methacrylate-based tetrapolymers for dilute aqueous base developable negative photoresists. Polymer, 2002, 43, 1103-1113.	1.8	24
165	Polyoxometallate Containing Polymeric Materials for Nanolithography and Molecular Devices. Materials Research Society Symposia Proceedings, 2001, 705, 251.	0.1	2
166	Application of a Novel Aqueous Base Developable Resist in Micromachining.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2001, 14, 445-448.	0.1	4
167	Electron beam lithography simulation for high resolution and high-density patterns. Vacuum, 2001, 62, 263-271.	1.6	16
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