

# Martyn A Mclachlan

## List of Publications by Year in descending order

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150  
papers

4,981  
citations

81743

39  
h-index

110170

64  
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158  
all docs

158  
docs citations

158  
times ranked

7463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming Nanoscale Inhomogeneities in Thin-Film Perovskites via Exceptional Post-annealing Grain Growth for Enhanced Photodetection. <i>Nano Letters</i> , 2022, 22, 979-988.	4.5	9
2	Additive-Free, Low-Temperature Crystallization of Stable $\text{FAPbI}_3$ Perovskite. <i>Advanced Materials</i> , 2022, 34, e2107850.	11.1	71
3	Synergetic interfacial passivation, band alignment, and long-term stability with halide-optimized $\text{CsPbBr}_3$ nanocrystals for high-efficiency $\text{MAPbI}_3$ solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5134-5140.	2.7	2
4	Scanning the optoelectronic properties of $\text{Cs}_4\text{CuAg}_2\text{Sb}_2\text{Cl}_{12}$ double perovskite nanocrystals: the role of $\text{Cu}^{2+}$ content. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5526-5533.	2.7	8
5	Thiophene Derivatives as Ligands for Highly Luminescent and Stable Manganese-Doped $\text{CsPbCl}_3$ Nanocrystals. <i>Frontiers in Chemistry</i> , 2022, 10, 849801.	1.8	2
6	Regulation of alternative splicing of PaFT and PaFDL1, the FT and FD homologs in <i>Platanus acerifolia</i> . <i>Gene</i> , 2022, 830, 146506.	1.0	2
7	Asymmetric charge carrier transfer and transport in planar lead halide perovskite solar cells. <i>Cell Reports Physical Science</i> , 2022, 3, 100890.	2.8	9
8	Chemical vapour deposition (CVD) of nickel oxide using the novel nickel dialkylaminoalkoxide precursor $[\text{Ni}(\text{dmamp})_2]$ (dmamp = 2-dimethylamino-2-methyl-1-propanolate). <i>RSC Advances</i> , 2021, 11, 22199-22205.	1.7	5
9	Novel scalable aerosol-assisted CVD route for perovskite solar cells. <i>Materials Advances</i> , 2021, 2, 1606-1612.	2.6	10
10	miR156/157 Targets SPLs to Regulate Flowering Transition, Plant Architecture and Flower Organ Size in <i>Petunia</i> . <i>Plant and Cell Physiology</i> , 2021, 62, 839-857.	1.5	23
11	Aerosol Assisted Solvent Treatment: A Universal Method for Performance and Stability Enhancements in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2101420.	10.2	21
12	Determining Out-of-Plane Hole Mobility in $\text{CuSCN}$ via the Time-of-Flight Technique To Elucidate Its Function in Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38499-38507.	4.0	4
13	A Class II TCP Transcription Factor PaTCP4 from <i>Platanus acerifolia</i> Regulates Trichome Formation in <i>Arabidopsis</i> . <i>DNA and Cell Biology</i> , 2021, 40, 1235-1250.	0.9	1
14	Two FD homologs from London plane ( <i>Platanus acerifolia</i> ) are associated with floral initiation and flower morphology. <i>Plant Science</i> , 2021, 310, 110971.	1.7	6
15	Correlating the Active Layer Structure and Composition with the Device Performance and Lifetime of Amino-Acid-Modified Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43505-43515.	4.0	17
16	Fluorescence Enhancement through Confined Oligomerization in Nanochannels: An Anthryl Oligomer in a Metal-Organic Framework. , 2021, 3, 1599-1604.		4
17	Optimal Interfacial Band Bending Achieved by Fine Energy Level Tuning in Mixed-Halide Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 3970-3981.	8.8	18
18	Color-Stable and High-Efficiency Blue Perovskite Nanocrystal Light-Emitting Diodes via Monovalent Copper Ion Lowering Lead Defects. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 55380-55390.	4.0	10

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19	Layer number-dependent optoelectronic characteristics of quasi-2D PBA <sub>2</sub> (MAPbBr <sub>3</sub> ) <sub>n</sub> PbBr <sub>4</sub> perovskite films. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17033-17041.	2.7	5
20	Phosphorene Nanoribbon-Augmented Optoelectronics for Enhanced Hole Extraction. <i>Journal of the American Chemical Society</i> , 2021, 143, 21549-21559.	6.6	44
21	Room Temperature Synthesis of Phosphine-Capped Lead Bromide Perovskite Nanocrystals without Coordinating Solvents. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900391.	1.2	27
22	Origin of Open-Circuit Voltage Enhancements in Planar Perovskite Solar Cells Induced by Addition of Bulky Organic Cations. <i>Advanced Functional Materials</i> , 2020, 30, 1906763.	7.8	47
23	Quantum Confinement and Thickness-Dependent Electron Transport in Solution-Processed In <sub>2</sub> O <sub>3</sub> Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 2000682.	2.6	16
24	Identification and characterization of PaGL1-like genes from <i>Platanus acerifolia</i> related to the regulation of trichomes. <i>Plant Molecular Biology</i> , 2020, 104, 235-248.	2.0	2
25	Hydrothermal growth of facet-tunable fluoride perovskite crystals KMF <sub>3</sub> (M = Mg, Mn, Co, Ni and Zn). <i>CrystEngComm</i> , 2020, 22, 6216-6227.	1.3	8
26	Enhancing the light-emitting performance and stability in CsPbBr <sub>3</sub> perovskite quantum dots via simultaneous doping and surface passivation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14439-14445.	2.7	32
27	Genome-Wide Identification, Characterization and Expression Analysis of TCP Transcription Factors in <i>Petunia</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6594.	1.8	11
28	Light-intensity and thickness dependent efficiency of planar perovskite solar cells: charge recombination versus extraction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12648-12655.	2.7	70
29	Strain Rate Effect on the Ductile Brittle Transition in Grinding Hot Pressed SiC Ceramics. <i>Micromachines</i> , 2020, 11, 545.	1.4	14
30	Shape Controllable Synthesis of Bi-Based Perovskite Superconductor Microcrystals via a Mild Hydrothermal Method. <i>Crystal Growth and Design</i> , 2020, 20, 2123-2128.	1.4	8
31	Methanol-induced fast CsBr release results in phase-pure CsPbBr <sub>3</sub> perovskite nanoplatelets. <i>Nanoscale Advances</i> , 2020, 2, 1973-1979.	2.2	16
32	Building on soft hybrid perovskites: highly oriented metal oxides as electron transport and moisture resistant layers. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1871-1878.	1.6	3
33	Effect of processing temperature on film properties of ZnO prepared by the aqueous method and related organic photovoltaics and LEDs. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2809-2817.	3.0	2
34	Substitutional doping of hybrid organic-inorganic perovskite crystals for thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13594-13599.	5.2	51
35	Low Temperature Scalable Deposition of Copper(I) Thiocyanate Films via Aerosol-Assisted Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2020, 20, 5380-5386.	1.4	3
36	Towards Efficient Integrated Perovskite/Organic Bulk Heterojunction Solar Cells: Interfacial Energetic Requirement to Reduce Charge Carrier Recombination Losses. <i>Advanced Functional Materials</i> , 2020, 30, 2001482.	7.8	43

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37	Enhancing the operational stability of unencapsulated perovskite solar cells through Cu–Ag bilayer electrode incorporation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8684-8691.	5.2	34
38	A study on stability of active layer of polymer solar cells: effect of UV–visible light with different conditions. <i>Polymer Bulletin</i> , 2019, 76, 525-537.	1.7	1
39	p-Doping of organic hole transport layers in perovskite solar cells: correlating open-circuit voltage and photoluminescence quenching. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18971-18979.	5.2	55
40	Influence of Lithium and Lanthanum Treatment on TiO <sub>2</sub> Nanofibers and Their Application in n-i-p Solar Cells. <i>ChemElectroChem</i> , 2019, 6, 3529-3529.	1.7	0
41	PaMYB82 from <i>Platanus acerifolia</i> regulates trichome development in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 287, 110177.	1.7	5
42	Greater negative lymph node count predicts favorable survival of patients with breast cancer in the setting of neoadjuvant chemotherapy and mastectomy. <i>Future Oncology</i> , 2019, 15, 3701-3709.	1.1	3
43	Highly-efficient semi-transparent organic solar cells utilising non-fullerene acceptors with optimised multilayer MoO <sub>3</sub> /Ag/MoO <sub>3</sub> electrodes. <i>Materials Chemistry Frontiers</i> , 2019, 3, 450-455.	3.2	40
44	Evidence for surface defect passivation as the origin of the remarkable photostability of unencapsulated perovskite solar cells employing aminovaleric acid as a processing additive. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3006-3011.	5.2	70
45	Introducing a Nonvolatile N-type Dopant Drastically Improves Electron Transport in Polymer and Small-Molecule Organic Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1902784.	7.8	35
46	Suppression of Recombination Losses in Polymer:Nonfullerene Acceptor Organic Solar Cells due to Aggregation Dependence of Acceptor Electron Affinity. <i>Advanced Energy Materials</i> , 2019, 9, 1901254.	10.2	54
47	High Responsivity and Response Speed Single-Layer Mixed-Cation Lead Mixed-Halide Perovskite Photodetectors Based on Nanogap Electrodes Manufactured on Large-Area Rigid and Flexible Substrates. <i>Advanced Functional Materials</i> , 2019, 29, 1901371.	7.8	39
48	Origin of Performance Enhancement in TiO <sub>2</sub> –Carbon Nanotube Composite Perovskite Solar Cells. <i>Small Methods</i> , 2019, 3, 1900164.	4.6	45
49	Water Dynamics in the Hydration Shell of Amphiphilic Macromolecules. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2971-2977.	1.2	10
50	Influence of Lithium and Lanthanum Treatment on TiO <sub>2</sub> Nanofibers and Their Application in n-i-p Solar Cells. <i>ChemElectroChem</i> , 2019, 6, 3590-3598.	1.7	5
51	Origin of Open-Circuit Voltage Losses in Perovskite Solar Cells Investigated by Surface Photovoltage Measurement. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46808-46817.	4.0	66
52	Genome-wide identification and characterization of the ALOG gene family in <i>Petunia</i> . <i>BMC Plant Biology</i> , 2019, 19, 600.	1.6	8
53	Unusual Thermal Boundary Resistance in Halide Perovskites: A Way To Tune Ultralow Thermal Conductivity for Thermoelectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47507-47515.	4.0	24
54	Outstanding Indoor Performance of Perovskite Photovoltaic Cells – Effect of Device Architectures and Interlayers. <i>Solar Rrl</i> , 2019, 3, 1800207.	3.1	63

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55	Single-repeat R3 MYB transcription factors from <i>Platanus acerifolia</i> negatively regulate trichome formation in <i>Arabidopsis</i> . <i>Planta</i> , 2019, 249, 861-877.	1.6	10
56	Isolation and functional characterization of the promoter of <i>SEPALLATA3</i> gene in London plane and its application in genetic engineering of sterility. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 136, 109-121.	1.2	2
57	Ultra-thin Al <sub>2</sub> O <sub>3</sub> coatings on BiVO <sub>4</sub> photoanodes: Impact on performance and charge carrier dynamics. <i>Catalysis Today</i> , 2019, 321-322, 59-66.	2.2	28
58	Exploring in vivo metabolism and excretion of QO-58L using ultra-high-performance liquid chromatography coupled with tandem mass spectrometry. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 379-391.	1.9	1
59	Copper (I) Selenocyanate (CuSeCN) as a Novel Hole-Transport Layer for Transistors, Organic Solar Cells, and Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2018, 28, 1707319.	7.8	19
60	High-Efficiency Fullerene Solar Cells Enabled by a Spontaneously Formed Mesostructured CuSCN-Nanowire Heterointerface. <i>Advanced Science</i> , 2018, 5, 1700980.	5.6	19
61	ZnO-PCBM bilayers as electron transport layers in low-temperature processed perovskite solar cells. <i>Science Bulletin</i> , 2018, 63, 343-348.	4.3	33
62	Tuning Charge Carrier Dynamics and Surface Passivation in Organolead Halide Perovskites with Capping Ligands and Metal Oxide Interfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1701203.	3.6	18
63	Mineralizer effect on facet-controllable hydrothermal crystallization of perovskite structure YbFeO <sub>3</sub> crystals. <i>CrystEngComm</i> , 2018, 20, 470-476.	1.3	19
64	Genome-wide identification and characterization of the SBP-box gene family in <i>Petunia</i> . <i>BMC Genomics</i> , 2018, 19, 193.	1.2	64
65	Hydrothermally grown ZnO electrodes for improved organic photovoltaic devices. <i>Thin Solid Films</i> , 2018, 645, 417-423.	0.8	21
66	Environmentally friendly, aqueous processed ZnO as an efficient electron transport layer for low temperature processed metal-halide perovskite photovoltaics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 84-89.	3.0	12
67	Electric Single-Molecule Hybridization Detector for Short DNA Fragments. <i>Analytical Chemistry</i> , 2018, 90, 14063-14071.	3.2	15
68	Probing and Controlling Intragrain Crystallinity for Improved Low Temperature-Processed Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1803943.	7.8	18
69	Excitation Density Dependent Photoluminescence Quenching and Charge Transfer Efficiencies in Hybrid Perovskite/Organic Semiconductor Bilayers. <i>Advanced Energy Materials</i> , 2018, 8, 1802474.	10.2	59
70	Elucidating the Origins of Subgap Tail States and Open-Circuit Voltage in Methylammonium Lead Triiodide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1801808.	7.8	78
71	Large-area plastic nanogap electronics enabled by adhesion lithography. <i>Npj Flexible Electronics</i> , 2018, 2, .	5.1	29
72	Post-polymerisation functionalisation of conjugated polymer backbones and its application in multi-functional emissive nanoparticles. <i>Nature Communications</i> , 2018, 9, 3237.	5.8	48

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73	Red-Shifted Emission in $\text{Y}_3\text{MgSiAl}_3\text{O}_{12}:\text{Ce}^{3+}$ Garnet Phosphor for Blue Light-Pumped White Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15659-15665.	1.5	93
74	Passivation against oxygen and light induced degradation by the PCBM electron transport layer in planar perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1686-1692.	2.5	27
75	Formation, location and beneficial role of $\text{PbI}_2$ in lead halide perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2017, 1, 119-126.	2.5	99
76	Functional analysis of the promoters of B-class MADS-box genes in London plane tree and their application in genetic engineering of sterility. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 279-288.	1.2	3
77	Semiconductor-Free Nonvolatile Resistive Switching Memory Devices Based on Metal Nanogaps Fabricated on Flexible Substrates via Adhesion Lithography. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1973-1980.	1.6	20
78	Nanoscale Structure-Property Relationships in Low-Temperature Solution-Processed Electron Transport Layers for Organic Photovoltaics. <i>Crystal Growth and Design</i> , 2017, 17, 6559-6564.	1.4	6
79	Copper(I) Thiocyanate (CuSCN) Hole-Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thin-Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1701818.	7.8	208
80	A rapid and efficient in vitro shoot regeneration protocol using cotyledons of London plane tree ( <i>Platanus acerifolia</i> Willd.). <i>Plant Growth Regulation</i> , 2017, 83, 245-252.	1.8	3
81	Functional conservation and divergence of five SEPALLATA-like genes from a basal eudicot tree, <i>Platanus acerifolia</i> . <i>Planta</i> , 2017, 245, 439-457.	1.6	21
82	Inkjet-printed thin film radio-frequency capacitors based on sol-gel derived alumina dielectric ink. <i>Ceramics International</i> , 2017, 43, 9846-9853.	2.3	12
83	Energy Quantization in Solution-Processed Layers of Indium Oxide and Their Application in Resonant Tunneling Diodes. <i>Advanced Functional Materials</i> , 2016, 26, 1656-1663.	7.8	21
84	Charge-Carrier Density Independent Mobility in Amorphous Fluorene-Triarylamine Copolymers. <i>Advanced Functional Materials</i> , 2016, 26, 3720-3729.	7.8	21
85	Metal Oxide Heterointerfaces in Hybrid Electronic Platforms. <i>Advanced Materials</i> , 2016, 28, 3801-3801.	11.1	1
86	$\text{Al}$ -Doped ZnO Transistors Processed from Solution at 120 °C. <i>Advanced Electronic Materials</i> , 2016, 2, 1600070.	2.6	42
87	An Air-Stable Semiconducting Polymer Containing Dithieno[3,2-b:2',3'-d]arsole. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7148-7151.	7.2	56
88	Radio Frequency Coplanar ZnO Schottky Nanodiodes Processed from Solution on Plastic Substrates. <i>Small</i> , 2016, 12, 1993-2000.	5.2	48
89	Probing the doping mechanisms and electrical properties of Al, Ga and In doped ZnO prepared by spray pyrolysis. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5953-5961.	2.7	14
90	Solution-processable MoOx nanocrystals enable highly efficient reflective and semitransparent polymer solar cells. <i>Nano Energy</i> , 2016, 28, 277-287.	8.2	27

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91	Multistate Resistive Switching Memory for Synaptic Memory Applications. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600192.	1.9	19
92	Low-Temperature Solution-Processed Electron Transport Layers for Inverted Polymer Solar Cells. <i>Advanced Electronic Materials</i> , 2016, 2, 1600008.	2.6	11
93	Four SQUAMOSA PROMOTER BINDING PROTEIN-LIKE homologs from a basal eudicot tree ( <i>Platanus</i> ) Tj ETQq1 1 0.784314 rgBT /Over Trees - Structure and Function, 2016, 30, 1417-1428.	0.9	6
94	Surface Structure Modification of ZnO and the Impact on Electronic Properties. <i>Advanced Materials</i> , 2016, 28, 3893-3921.	11.1	157
95	An Air-Stable Semiconducting Polymer Containing Dithieno[3,2-b:2',3'-d]arsole. <i>Angewandte Chemie</i> , 2016, 128, 7264-7267.	1.6	15
96	Exploring and controlling intrinsic defect formation in SnO <sub>2</sub> thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 758-765.	2.7	35
97	Derivatization and diffusive motion of molecular fullerenes: <i>Ab initio</i> and atomistic simulations. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	2
98	ZnO Nanorod Arrays as Electron Injection Layers for Efficient Organic Light Emitting Diodes. <i>Advanced Functional Materials</i> , 2015, 25, 4657-4663.	7.8	25
99	Signatures of Quantized Energy States in Solution-Processed Ultrathin Layers of Metal-Oxide Semiconductors and Their Devices. <i>Advanced Functional Materials</i> , 2015, 25, 1727-1736.	7.8	36
100	Defect-band mediated ferromagnetism in Gd-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	43
101	Polymer Solar Cells with Efficiency >10% Enabled via a Facile Solution-Processed Al-Doped ZnO Electron Transporting Layer. <i>Advanced Energy Materials</i> , 2015, 5, 1500204.	10.2	142
102	Fluorene copolymer bilayers for emission colour tuning in inverted hybrid light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4945-4953.	2.7	13
103	Aerosol assisted chemical vapour deposition of transparent conductive ZnO thin films with hexagonal microplate surfaces and ultrahigh haze values. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22311-22315.	5.2	10
104	Indium Oxide Thin-Film Transistors Processed at Low Temperature via Ultrasonic Spray Pyrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 782-790.	4.0	79
105	High-Efficiency, Solution-Processed, Multilayer Phosphorescent Organic Light-Emitting Diodes with a Copper Thiocyanate Hole-Injection/Hole-Transport Layer. <i>Advanced Materials</i> , 2015, 27, 93-100.	11.1	178
106	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. <i>Nature Communications</i> , 2014, 5, 3933.	5.8	77
107	Transparent conducting oxide top contacts for organic electronics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 84-89.	2.7	15
108	Electroforming-free resistive switching memory effect in transparent <i>p</i> -type tin monoxide. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	30



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109	Polythiophenes with vinylene linked <i>ortho</i> , <i>meta</i> and <i>para</i> -carborane sidechains. <i>Polymer Chemistry</i> , 2014, 5, 6190-6199.	1.9	23
110	Deposition of low sheet resistance indium tin oxide directly onto functional small molecules. <i>Thin Solid Films</i> , 2014, 570, 129-133.	0.8	6
111	Hydrothermal growth of ZnO nanorods: The role of KCl in controlling rod morphology. <i>Thin Solid Films</i> , 2013, 539, 18-22.	0.8	29
112	Templated Non-Oxide Sol-Gel Preparation of Well-Ordered Macroporous (inverse opal) Ta <sub>3</sub> N <sub>5</sub> Films. <i>Inorganic Chemistry</i> , 2013, 52, 9994-9999.	1.9	10
113	<i>p</i> -channel thin-film transistors based on spray-coated Cu <sub>2</sub> O films. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	101
114	Interfacial molecular order of conjugated polymer in P3HT:ZnO bilayer photovoltaics and its impact on device performance. <i>Applied Physics Letters</i> , 2013, 103, 153304.	1.5	12
115	The impact of molecular weight on microstructure and charge transport in semicrystalline polymer semiconductors—poly(3-hexylthiophene), a model study. <i>Progress in Polymer Science</i> , 2013, 38, 1978-1989.	11.8	274
116	High-Performance ZnO Transistors Processed Via an Aqueous Carbon-Free Metal Oxide Precursor Route at Temperatures Between 80–180 °C. <i>Advanced Materials</i> , 2013, 25, 4340-4346.	11.1	156
117	Isolation and Functional Analyses of a Putative Floral Homeotic C-Function Gene in a Basal Eudicot London Plane Tree ( <i>Platanus acerifolia</i> ). <i>PLoS ONE</i> , 2013, 8, e63389.	1.1	7
118	Comparative Optoelectronic Study between Copolymers of Peripherally Alkylated Dithienosilole and Dithienogermole. <i>Macromolecules</i> , 2012, 45, 735-742.	2.2	42
119	Building on Soft Foundations: New Possibilities for Controlling Hybrid Photovoltaic Architectures. <i>Advanced Energy Materials</i> , 2012, 2, 528-531.	10.2	16
120	Low-voltage ZnO thin-film transistors based on Y <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> high-k dielectrics deposited by spray pyrolysis in air. <i>Applied Physics Letters</i> , 2011, 98, 123503.	1.5	122
121	Electrodeposition of ZnO layers for photovoltaic applications: controlling film thickness and orientation. <i>Journal of Materials Chemistry</i> , 2011, 21, 12949.	6.7	70
122	Optimised pulsed laser deposition of ZnO thin films on transparent conducting substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 8178.	6.7	84
123	Solution processed hybrid photovoltaics: preparation of a standard ZnO template. <i>Journal of Photonics for Energy</i> , 2011, 1, 011117.	0.8	7
124	Electrodeposition of ZnO Nanostructures on Molecular Thin Films. <i>Chemistry of Materials</i> , 2011, 23, 3863-3870.	3.2	51
125	Inverted organic photovoltaic devices with high efficiency and stability based on metal oxide charge extraction layers. <i>Journal of Materials Chemistry</i> , 2011, 21, 2381-2386.	6.7	90
126	Genetic alteration with variable intron/exon organization amongst five PI-homoeologous genes in <i>Platanus acerifolia</i> . <i>Gene</i> , 2011, 473, 82-91.	1.0	15



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127	Electrochemical deposition of ordered macroporous ZnO on transparent conducting electrodes. <i>Materials Chemistry and Physics</i> , 2011, 129, 343-348.	2.0	13
128	Genetic diversity and genetic structure of different populations of the endangered species <i>Davidia involucrata</i> in China detected by inter-simple sequence repeat analysis. <i>Trees - Structure and Function</i> , 2011, 25, 1063-1071.	0.9	12
129	Probing Local and Global Ferroelectric Phase Stability and Polarization Switching in Ordered Macroporous PZT. <i>Advanced Functional Materials</i> , 2011, 21, 941-947.	7.8	23
130	Ferroelectric Materials: Probing Local and Global Ferroelectric Phase Stability and Polarization Switching in Ordered Macroporous PZT (Adv. Funct. Mater. 5/2011). <i>Advanced Functional Materials</i> , 2011, 21, 802-802.	7.8	1
131	High-Mobility Low-Voltage ZnO and Li-Doped ZnO Transistors Based on $ZrO_2$ High- $\kappa$ Dielectric Grown by Spray Pyrolysis in Ambient Air. <i>Advanced Materials</i> , 2011, 23, 1894-1898.	11.1	217
132	Formation of Patterned Arrays of Polystyrene Colloidal Crystal Structures on Flexible Functional Substrates. <i>Langmuir</i> , 2009, 25, 11344-11350.	1.6	7
133	Controlling the electrodeposition of mesoporous metals for nanoplasmonics. <i>Nanoscale</i> , 2009, 1, 355.	2.8	6
134	Preparation of large area three-dimensionally ordered macroporous thin films by confined infiltration and crystallisation. <i>Journal of Crystal Growth</i> , 2008, 310, 2644-2648.	0.7	4
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