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 g-index
158 all docs	158 docs citations	158 times ranked	7463 citing authors

#	Article	IF	Citations
1	The impact of molecular weight on microstructure and charge transport in semicrystalline polymer semiconductorsâ€“poly(3-hexylthiophene), a model study. Progress in Polymer Science, 2013, 38, 1978-1989.	11.8	274
2	Highâ€Mobility Lowâ€Voltage ZnO and Liâ€Doped ZnO Transistors Based on ZrO₂ Highâ€k Dielectric Grown by Spray Pyrolysis in Ambient Air. Advanced Materials, 2011, 23, 1894-1898.	11.1	217
3	Copper(I) Thiocyanate (CuSCN) Holeâ€Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thinâ€Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. Advanced Functional Materials, 2017, 27, 1701818.	7.8	208
4	Highâ€Efficiency, Solutionâ€Processed, Multilayer Phosphorescent Organic Lightâ€Emitting Diodes with a Copper Thiocyanate Holeâ€Injection/Holeâ€Transport Layer. Advanced Materials, 2015, 27, 93-100.	11.1	178
5	Surface Structure Modification of ZnO and the Impact on Electronic Properties. Advanced Materials, 2016, 28, 3893-3921.	11.1	157
6	Highâ€Performance ZnO Transistors Processed Via an Aqueous Carbonâ€Free Metal Oxide Precursor Route at Temperatures Between 80â€“180 Â°C. Advanced Materials, 2013, 25, 4340-4346.	11.1	156
7	Polymer Solar Cells with Efficiency >10% Enabled via a Facile Solutionâ€Processed Alâ€Doped ZnO Electron Transporting Layer. Advanced Energy Materials, 2015, 5, 1500204.	10.2	142
8	Low-voltage ZnO thin-film transistors based on Y2O3 and Al2O3 high-k dielectrics deposited by spray pyrolysis in air. Applied Physics Letters, 2011, 98, 123503.	1.5	122
9	Thin film photonic crystals: synthesis and characterisation. Journal of Materials Chemistry, 2004, 14, 144.	6.7	105
10	p-channel thin-film transistors based on spray-coated Cu2O films. Applied Physics Letters, 2013, 102, .	1.5	101
11	Formation, location and beneficial role of PbI₂ in lead halide perovskite solar cells. Sustainable Energy and Fuels, 2017, 1, 119-126.	2.5	99
12	Red-Shifted Emission in Y₃MgSiAl₃O₁₂:Ce³⁺ Garnet Phosphor for Blue Light-Pumped White Light-Emitting Diodes. Journal of Physical Chemistry C, 2018, 122, 15659-15665.	1.5	93
13	Inverted organic photovoltaic devices with high efficiency and stability based on metal oxide charge extraction layers. Journal of Materials Chemistry, 2011, 21, 2381-2386.	6.7	90
14	Optimised pulsed laser deposition of ZnO thin films on transparent conducting substrates. Journal of Materials Chemistry, 2011, 21, 8178.	6.7	84
15	Template-Assisted Growth of Nominally Cubic (100)-Oriented Three-Dimensional Crack-Free Photonic Crystals. Nano Letters, 2005, 5, 2646-2650.	4.5	79
16	Indium Oxide Thin-Film Transistors Processed at Low Temperature via Ultrasonic Spray Pyrolysis. ACS Applied Materials & Interfaces, 2015, 7, 782-790.	4.0	79
17	Elucidating the Origins of Subgap Tail States and Openâ€Circuit Voltage in Methylammonium Lead Triiodide Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1801808.	7.8	78
18	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. Nature Communications, 2014, 5, 3933.	5.8	77

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19	Additiveâ€Free, Lowâ€Temperature Crystallization of Stable Î±â€FAPbI₃ Perovskite. Advanced Materials, 2022, 34, e2107850.	11.1	71
20	Electrodeposition of ZnO layers for photovoltaic applications: controlling film thickness and orientation. Journal of Materials Chemistry, 2011, 21, 12949.	6.7	70
21	Evidence for surface defect passivation as the origin of the remarkable photostability of unencapsulated perovskite solar cells employing aminovaleric acid as a processing additive. Journal of Materials Chemistry A, 2019, 7, 3006-3011.	5.2	70
22	Light-intensity and thickness dependent efficiency of planar perovskite solar cells: charge recombinationversusextraction. Journal of Materials Chemistry C, 2020, 8, 12648-12655.	2.7	70
23	Origin of Open-Circuit Voltage Losses in Perovskite Solar Cells Investigated by Surface Photovoltage Measurement. ACS Applied Materials & Interfaces, 2019, 11, 46808-46817.	4.0	66
24	Genome-wide identification and characterization of the SBP-box gene family in Petunia. BMC Genomics, 2018, 19, 193.	1.2	64
25	Outstanding Indoor Performance of Perovskite Photovoltaic Cells â€“ Effect of Device Architectures and Interlayers. Solar Rrl, 2019, 3, 1800207.	3.1	63
26	Excitation Density Dependent Photoluminescence Quenching and Charge Transfer Efficiencies in Hybrid Perovskite/Organic Semiconductor Bilayers. Advanced Energy Materials, 2018, 8, 1802474.	10.2	59
27	An Airâ€Stable Semiconducting Polymer Containing Dithieno[3,2â€b:2â€²,3â€²â€d]arsole. Angewandte Chemie - International Edition, 2016, 55, 7148-7151.	7.2	56
28	p-Doping of organic hole transport layers in pâ€“iâ€“n perovskite solar cells: correlating open-circuit voltage and photoluminescence quenching. Journal of Materials Chemistry A, 2019, 7, 18971-18979.	5.2	55
29	Suppression of Recombination Losses in Polymer:Nonfullerene Acceptor Organic Solar Cells due to Aggregation Dependence of Acceptor Electron Affinity. Advanced Energy Materials, 2019, 9, 1901254.	10.2	54
30	Electrodeposition of ZnO Nanostructures on Molecular Thin Films. Chemistry of Materials, 2011, 23, 3863-3870.	3.2	51
31	Substitutional doping of hybrid organicâ€“inorganic perovskite crystals for thermoelectrics. Journal of Materials Chemistry A, 2020, 8, 13594-13599.	5.2	51
32	Radio Frequency Coplanar ZnO Schottky Nanodiodes Processed from Solution on Plastic Substrates. Small, 2016, 12, 1993-2000.	5.2	48
33	Post-polymerisation functionalisation of conjugated polymer backbones and its application in multi-functional emissive nanoparticles. Nature Communications, 2018, 9, 3237.	5.8	48
34	Origin of Openâ€Circuit Voltage Enhancements in Planar Perovskite Solar Cells Induced by Addition of Bulky Organic Cations. Advanced Functional Materials, 2020, 30, 1906763.	7.8	47
35	Origin of Performance Enhancement in TiO₂â€Carbon Nanotube Composite Perovskite Solar Cells. Small Methods, 2019, 3, 1900164.	4.6	45
36	Phosphorene Nanoribbon-Augmented Optoelectronics for Enhanced Hole Extraction. Journal of the American Chemical Society, 2021, 143, 21549-21559.	6.6	44

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37	Defect-band mediated ferromagnetism in Gd-doped ZnO thin films. Journal of Applied Physics, 2015, 117, .	1.1	43
38	Towards Efficient Integrated Perovskite/Organic Bulk Heterojunction Solar Cells: Interfacial Energetic Requirement to Reduce Charge Carrier Recombination Losses. Advanced Functional Materials, 2020, 30, 2001482.	7.8	43
39	Comparative Optoelectronic Study between Copolymers of Peripherally Alkylated Dithienosilole and Dithienogermole. Macromolecules, 2012, 45, 735-742.	2.2	42
40	Alâ€Doped ZnO Transistors Processed from Solution at 120 Â°C. Advanced Electronic Materials, 2016, 2, 1600070.	2.6	42
41	Highly-efficient semi-transparent organic solar cells utilising non-fullerene acceptors with optimised multilayer MoO₃/Ag/MoO₃ electrodes. Materials Chemistry Frontiers, 2019, 3, 450-455.	3.2	40
42	High Responsivity and Response Speed Singleâ€Layer Mixedâ€Cation Lead Mixedâ€Halide Perovskite Photodetectors Based on Nanogap Electrodes Manufactured on Largeâ€Area Rigid and Flexible Substrates. Advanced Functional Materials, 2019, 29, 1901371.	7.8	39
43	Signatures of Quantized Energy States in Solutionâ€Processed Ultrathin Layers of Metalâ€Oxide Semiconductors and Their Devices. Advanced Functional Materials, 2015, 25, 1727-1736.	7.8	36
44	Exploring and controlling intrinsic defect formation in SnO₂ thin films. Journal of Materials Chemistry C, 2016, 4, 758-765.	2.7	35
45	Introducing a Nonvolatile Nâ€Type Dopant Drastically Improves Electron Transport in Polymer and Smallâ€Molecule Organic Transistors. Advanced Functional Materials, 2019, 29, 1902784.	7.8	35
46	Enhancing the operational stability of unencapsulated perovskite solar cells through Cuâ€“Ag bilayer electrode incorporation. Journal of Materials Chemistry A, 2020, 8, 8684-8691.	5.2	34
47	ZnO-PCBM bilayers as electron transport layers in low-temperature processed perovskite solar cells. Science Bulletin, 2018, 63, 343-348.	4.3	33
48	Enhancing the light-emitting performance and stability in CsPbBr₃ perovskite quantum dots via simultaneous doping and surface passivation. Journal of Materials Chemistry C, 2020, 8, 14439-14445.	2.7	32
49	Electroforming-free resistive switching memory effect in transparent p-type tin monoxide. Applied Physics Letters, 2014, 104, .	1.5	30
50	Hydrothermal growth of ZnO nanorods: The role of KCl in controlling rod morphology. Thin Solid Films, 2013, 539, 18-22.	0.8	29
51	Large-area plastic nanogap electronics enabled by adhesion lithography. Npj Flexible Electronics, 2018, 2, .	5.1	29
52	Ultra-thin Al2O3 coatings on BiVO4 photoanodes: Impact on performance and charge carrier dynamics. Catalysis Today, 2019, 321-322, 59-66.	2.2	28
53	Extraction of high-quality tissue-specific RNA from London plane trees (Platanus acerifolia), permitting the construction of a female inflorescence cDNA library. Functional Plant Biology, 2008, 35, 159.	1.1	27
54	Solution-processable MoOx nanocrystals enable highly efficient reflective and semitransparent polymer solar cells. Nano Energy, 2016, 28, 277-287.	8.2	27

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55	Passivation against oxygen and light induced degradation by the PCBM electron transport layerÂin planar perovskite solar cells. Sustainable Energy and Fuels, 2018, 2, 1686-1692.	2.5	27
56	Room Temperature Synthesis of Phosphineâ€Capped Lead Bromide Perovskite Nanocrystals without Coordinating Solvents. Particle and Particle Systems Characterization, 2020, 37, 1900391.	1.2	27
57	ZnO Nanorod Arrays as Electron Injection Layers for Efficient Organic Light Emitting Diodes. Advanced Functional Materials, 2015, 25, 4657-4663.	7.8	25
58	Unusual Thermal Boundary Resistance in Halide Perovskites: A Way To Tune Ultralow Thermal Conductivity for Thermoelectrics. ACS Applied Materials & Interfaces, 2019, 11, 47507-47515.	4.0	24
59	Probing Local and Global Ferroelectric Phase Stability and Polarization Switching in Ordered Macroporous PZT. Advanced Functional Materials, 2011, 21, 941-947.	7.8	23
60	Polythiophenes with vinylene linked ortho, meta and para-carborane sidechains. Polymer Chemistry, 2014, 5, 6190-6199.	1.9	23
61	miR156/157 Targets SPLs to Regulate Flowering Transition, Plant Architecture and Flower Organ Size in Petunia. Plant and Cell Physiology, 2021, 62, 839-857.	1.5	23
62	Energy Quantization in Solutionâ€Processed Layers of Indium Oxide and Their Application in Resonant Tunneling Diodes. Advanced Functional Materials, 2016, 26, 1656-1663.	7.8	21
63	Chargeâ€Carrier Density Independent Mobility in Amorphous Fluoreneâ€Triarylamine Copolymers. Advanced Functional Materials, 2016, 26, 3720-3729.	7.8	21
64	Functional conservation and divergence of five SEPALLATA-like genes from a basal eudicot tree, Platanus acerifolia. Planta, 2017, 245, 439-457.	1.6	21
65	Hydrothermally grown ZnO electrodes for improved organic photovoltaic devices. Thin Solid Films, 2018, 645, 417-423.	0.8	21
66	Aerosol Assisted Solvent Treatment: A Universal Method for Performance and Stability Enhancements in Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101420.	10.2	21
67	Semiconductor-Free Nonvolatile Resistive Switching Memory Devices Based on Metal Nanogaps Fabricated on Flexible Substrates via Adhesion Lithography. IEEE Transactions on Electron Devices, 2017, 64, 1973-1980.	1.6	20
68	Multistate Resistive Switching Memory for Synaptic Memory Applications. Advanced Materials Interfaces, 2016, 3, 1600192.	1.9	19
69	Copper (I) Selenocyanate (CuSeCN) as a Novel Holeâ€Transport Layer for Transistors, Organic Solar Cells, and Lightâ€Emitting Diodes. Advanced Functional Materials, 2018, 28, 1707319.	7.8	19
70	Highâ€Efficiency Fullerene Solar Cells Enabled by a Spontaneously Formed Mesostructured CuSCNâ€Nanowire Heterointerface. Advanced Science, 2018, 5, 1700980.	5.6	19
71	Mineralizer effect on facet-controllable hydrothermal crystallization of perovskite structure YbFeO₃ crystals. CrystEngComm, 2018, 20, 470-476.	1.3	19
72	Domain size and thickness control of thin film photonic crystals. Journal of Materials Chemistry, 2005, 15, 369.	6.7	18

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73	Optical properties of tetragonal photonic crystal synthesized via template-assisted self-assembly. Journal of Applied Physics, 2006, 99, 116109.	1.1	18
74	Tuning Charge Carrier Dynamics and Surface Passivation in Organolead Halide Perovskites with Capping Ligands and Metal Oxide Interfaces. Advanced Optical Materials, 2018, 6, 1701203.	3.6	18
75	Probing and Controlling Intragrain Crystallinity for Improved Low Temperatureâ€“Processed Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1803943.	7.8	18
76	Optimal Interfacial Band Bending Achieved by Fine Energy Level Tuning in Mixed-Halide Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3970-3981.	8.8	18
77	Correlating the Active Layer Structure and Composition with the Device Performance and Lifetime of Amino-Acid-Modified Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 43505-43515.	4.0	17
78	Building on Soft Foundations: New Possibilities for Controlling Hybrid Photovoltaic Architectures. Advanced Energy Materials, 2012, 2, 528-531.	10.2	16
79	Quantum Confinement and Thicknessâ€Dependent Electron Transport in Solutionâ€Processed In₂O₃ Transistors. Advanced Electronic Materials, 2020, 6, 2000682.	2.6	16
80	Methanol-induced fast CsBr release results in phase-pure CsPbBr₃ perovskite nanoplatelets. Nanoscale Advances, 2020, 2, 1973-1979.	2.2	16
81	Template directed synthesis of nanostructured phthalocyanine thin films. Journal of Materials Chemistry, 2007, 17, 3773.	6.7	15
82	Genetic alteration with variable intron/exon organization amongst five PI-homoeologous genes in Platanus acerifolia. Gene, 2011, 473, 82-91.	1.0	15
83	Transparent conducting oxide top contacts for organic electronics. Journal of Materials Chemistry C, 2014, 2, 84-89.	2.7	15
84	An Airâ€Stable Semiconducting Polymer Containing Dithieno[3,2â€b:2â€²,3â€²â€d]arsole. Angewandte Chemie, 2016, 128, 7264-7267.	1.6	15
85	Electric Single-Molecule Hybridization Detector for Short DNA Fragments. Analytical Chemistry, 2018, 90, 14063-14071.	3.2	15
86	Using the in situ lift-out technique to prepare TEM specimens on a single-beam FIB instrument. Journal of Physics: Conference Series, 2008, 126, 012028.	0.3	14
87	Probing the doping mechanisms and electrical properties of Al, Ga and In doped ZnO prepared by spray pyrolysis. Journal of Materials Chemistry C, 2016, 4, 5953-5961.	2.7	14
88	Strain Rate Effect on the Ductile Brittle Transition in Grinding Hot Pressed SiC Ceramics. Micromachines, 2020, 11, 545.	1.4	14
89	Electrochemical deposition of ordered macroporous ZnO on transparent conducting electrodes. Materials Chemistry and Physics, 2011, 129, 343-348.	2.0	13
90	Fluorene copolymer bilayers for emission colour tuning in inverted hybrid light emitting diodes. Journal of Materials Chemistry C, 2015, 3, 4945-4953.	2.7	13

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91	Genetic diversity and genetic structure of different populations of the endangered species Davidia involucrata in China detected by inter-simple sequence repeat analysis. Trees - Structure and Function, 2011, 25, 1063-1071.	0.9	12
92	Interfacial molecular order of conjugated polymer in P3HT:ZnO bilayer photovoltaics and its impact on device performance. Applied Physics Letters, 2013, 103, 153304.	1.5	12
93	Environmentally friendly, aqueous processed ZnO as an efficient electron transport layer for low temperature processed metalâ€“halide perovskite photovoltaics. Inorganic Chemistry Frontiers, 2018, 5, 84-89.	3.0	12
94	Inkjet-printed thin film radio-frequency capacitors based on sol-gel derived alumina dielectric ink. Ceramics International, 2017, 43, 9846-9853.	2.3	12
95	Lowâ€Temperature Solutionâ€Processed Electron Transport Layers for Inverted Polymer Solar Cells. Advanced Electronic Materials, 2016, 2, 1600008.	2.6	11
96	Genome-Wide Identification, Characterization and Expression Analysis of TCP Transcription Factors in Petunia. International Journal of Molecular Sciences, 2020, 21, 6594.	1.8	11
97	Templated Non-Oxide Sol-Gel Preparation of Well-Ordered Macroporous (inverse opal) Ta₃N₅ Films. Inorganic Chemistry, 2013, 52, 9994-9999.	1.9	10
98	Aerosol assisted chemical vapour deposition of transparent conductive ZnO thin films with hexagonal microplate surfaces and ultrahigh haze values. Journal of Materials Chemistry A, 2015, 3, 22311-22315.	5.2	10
99	Water Dynamics in the Hydration Shell of Amphiphilic Macromolecules. Journal of Physical Chemistry B, 2019, 123, 2971-2977.	1.2	10
100	Single-repeat R3 MYB transcription factors from Platanus acerifolia negatively regulate trichome formation in Arabidopsis. Planta, 2019, 249, 861-877.	1.6	10
101	Novel scalable aerosol-assisted CVD route for perovskite solar cells. Materials Advances, 2021, 2, 1606-1612.	2.6	10
102	Color-Stable and High-Efficiency Blue Perovskite Nanocrystal Light-Emitting Diodes via Monovalent Copper Ion Lowering Lead Defects. ACS Applied Materials & Interfaces, 2021, 13, 55380-55390.	4.0	10
103	Overcoming Nanoscale Inhomogeneities in Thin-Film Perovskites via Exceptional Post-annealing Grain Growth for Enhanced Photodetection. Nano Letters, 2022, 22, 979-988.	4.5	9
104	Asymmetric charge carrier transfer and transport in planar lead halide perovskite solar cells. Cell Reports Physical Science, 2022, 3, 100890.	2.8	9
105	Genome-wide identification and characterization of the ALOG gene family in Petunia. BMC Plant Biology, 2019, 19, 600.	1.6	8
106	Hydrothermal growth of facet-tunable fluoride perovskite crystals KMF3 (M = Mg, Mn, Co, Ni and Zn). CrystEngComm, 2020, 22, 6216-6227.	1.3	8
107	Shape Controllable Synthesis of Bi-Based Perovskite Superconductor Microcrystals via a Mild Hydrothermal Method. Crystal Growth and Design, 2020, 20, 2123-2128.	1.4	8
108	Scanning the optoelectronic properties of Cs₄Cu_xAg_{2â”2x}Sb₂Cl₁₂ double perovskite nanocrystals: the role of Cu²⁺ content. Journal of Materials Chemistry C, 2022, 10, 5526-5533.	2.7	8

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109	Formation of Patterned Arrays of Polystyrene Colloidal Crystal Structures on Flexible Functional Substrates. Langmuir, 2009, 25, 11344-11350.	1.6	7
110	Solution processed hybrid photovoltaics: preparation ofÂaÂstandard ZnO template. Journal of Photonics for Energy, 2011, 1, 011117.	0.8	7
111	Isolation and Functional Analyses of a Putative Floral Homeotic C-Function Gene in a Basal Eudicot London Plane Tree (Platanus acerifolia). PLoS ONE, 2013, 8, e63389.	1.1	7
112	Controlling the electrodeposition of mesoporous metals for nanoplasmonics. Nanoscale, 2009, 1, 355.	2.8	6
113	Deposition of low sheet resistance indium tin oxide directly onto functional small molecules. Thin Solid Films, 2014, 570, 129-133.	0.8	6
114	Four SQUAMOSA PROMOTER BINDING PROTEIN-LIKE homologs from a basal eudicot tree (Platanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Trees - Structure and Function, 2016, 30, 1417-1428.	0.9	6
115	Nanoscale Structureâ€“Property Relationships in Low-Temperature Solution-Processed Electron Transport Layers for Organic Photovoltaics. Crystal Growth and Design, 2017, 17, 6559-6564.	1.4	6
116	Two FD homologs from London plane (Platanus acerifolia) are associated with floral initiation and flower morphology. Plant Science, 2021, 310, 110971.	1.7	6
117	PaMYB82 from Platanus acerifolia regulates trichome development in transgenic Arabidopsis. Plant Science, 2019, 287, 110177.	1.7	5
118	Influence of Lithium and Lanthanum Treatment on TiO 2 Nanofibers and Their Application in nâ€iâ€p Solar Cells. ChemElectroChem, 2019, 6, 3590-3598.	1.7	5
119	Chemical vapour deposition (CVD) of nickel oxide using the novel nickel dialkylaminoalkoxide precursor [Ni(dmampâ€²)₂] (dmampâ€² = 2-dimethylamino-2-methyl-1-propanolate). RSC Advances, 2021, 11, 22199-22205.	1.7	5
120	Layer number-dependent optoelectronic characteristics of quasi-2D PBA₂(MAPbBr₃)_{nâ^'1}PbBr₄ perovskite films. Journal of Materials Chemistry C, 2021, 9, 17033-17041.	2.7	5
121	Preparation of large area three-dimensionally ordered macroporous thin films by confined infiltration and crystallisation. Journal of Crystal Growth, 2008, 310, 2644-2648.	0.7	4
122	Determining Out-of-Plane Hole Mobility in CuSCN via the Time-of-Flight Technique To Elucidate Its Function in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 38499-38507.	4.0	4
123	Fluorescence Enhancement through Confined Oligomerization in Nanochannels: An Anthryl Oligomer in a Metal-Organic Framework. , 2021, 3, 1599-1604.		4
124	Functional analysis of the promoters of B-class MADS-box genes in London plane tree and their application in genetic engineering of sterility. Plant Cell, Tissue and Organ Culture, 2017, 130, 279-288.	1.2	3
125	A rapid and efficient in vitro shoot regeneration protocol using cotyledons of London plane tree (Platanus acerifolia Willd.). Plant Growth Regulation, 2017, 83, 245-252.	1.8	3
126	Greater negative lymph node count predicts favorable survival of patients with breast cancer in the setting of neoadjuvant chemotherapy and mastectomy. Future Oncology, 2019, 15, 3701-3709.	1.1	3

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127	Building on soft hybrid perovskites: highly oriented metal oxides as electron transport and moisture resistant layers. Applied Nanoscience (Switzerland), 2020, 10, 1871-1878.	1.6	3
128	Low Temperature Scalable Deposition of Copper(I) Thiocyanate Films via Aerosol-Assisted Chemical Vapor Deposition. Crystal Growth and Design, 2020, 20, 5380-5386.	1.4	3
129	Application of pressure to shift the bandgap in polystyrene-based photonic crystals. , 2004, , .		2
130	Derivatization and diffusive motion of molecular fullerenes: Ab initio and atomistic simulations. Journal of Applied Physics, 2015, 118, .	1.1	2
131	Isolation and functional characterization of the promoter of SEPALLATA3 gene in London plane and its application in genetic engineering of sterility. Plant Cell, Tissue and Organ Culture, 2019, 136, 109-121.	1.2	2
132	Identification and characterization of PaGL1-like genes from Platanus acerifolia related to the regulation of trichomes. Plant Molecular Biology, 2020, 104, 235-248.	2.0	2
133	Perovskite Materials for Resistive Random Access Memories. , 0, , .		2
134	Effect of processing temperature on film properties of ZnO prepared by the aqueous method and related organic photovoltaics and LEDs. Inorganic Chemistry Frontiers, 2020, 7, 2809-2817.	3.0	2
135	Synergetic interfacial passivation, band alignment, and long-term stability with halide-optimized CsPbBr_xI_{3â^'x} nanocrystals for high-efficiency MAPbI₃ solar cells. Journal of Materials Chemistry C, 2022, 10, 5134-5140.	2.7	2
136	Thiophene Derivatives as Ligands for Highly Luminescent and Stable Manganese-Doped CsPbCl3 Nanocrystals. Frontiers in Chemistry, 2022, 10, 849801.	1.8	2
137	Regulation of alternative splicing of PaFT and PaFDL1, the FT and FD homologs in Platanus acerifolia. Gene, 2022, 830, 146506.	1.0	2
138	FERROELECTRIC THREE-DIMENSIONALLY ORDERED MACROPOROUS THIN FILMS. Integrated Ferroelectrics, 2007, 92, 43-52.	0.3	1
139	Colloidal crystals as nanostructured templates for organic solar cells. , 2008, , .		1
140	Ferroelectric Materials: Probing Local and Global Ferroelectric Phase Stability and Polarization Switching in Ordered Macroporous PZT (Adv. Funct. Mater. 5/2011). Advanced Functional Materials, 2011, 21, 802-802.	7.8	1
141	Metal Oxide Heterointerfaces in Hybrid Electronic Platforms. Advanced Materials, 2016, 28, 3801-3801.	11.1	1
142	Exploring in vivo metabolism and excretion of QO-58L using ultra-high-performance liquid chromatography coupled with tandem mass spectrometry. European Journal of Pharmaceutical Sciences, 2018, 117, 379-391.	1.9	1
143	A study on stability of active layer of polymer solar cells: effect of UVâ€“visible light with different conditions. Polymer Bulletin, 2019, 76, 525-537.	1.7	1
144	A Class II TCP Transcription Factor PaTCP4 from Platanus acerifolia Regulates Trichome Formation in Arabidopsis. DNA and Cell Biology, 2021, 40, 1235-1250.	0.9	1

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145	Inverted organic photovoltaics with a solution-processed Mg-doped ZnO electron transport layer annealed at 150 Â°C. Sustainable Energy and Fuels, 0, , .	2.5	1
146	Engineered Nanocomposites for Solid Oxide Fuel Cells By Colloidal Crystal Templating. Materials Research Society Symposia Proceedings, 2007, 1056, 1.	0.1	0
147	Electrochemically Grown Metallic Inverse Opals. ECS Transactions, 2008, 13, 1-6.	0.3	0
148	Influence of Lithium and Lanthanum Treatment on TiO 2 Nanofibers and Their Application in nâ€iâ€p Solar Cells. ChemElectroChem, 2019, 6, 3529-3529.	1.7	0
149	Asymmetric Charge Carrier Transfer and Transport in Planar Lead Halide Perovskite Solar Cells. , 0, , .		0
150	Investigating Triarylamine Polymer Derivatives as Hole Transport Layers in FACsPbI3 Perovskite Solar Cells. , 0, , .		0