

Ifor D W Samuel

List of Publications by Year in descending order

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484
papers

23,596
citations

9264

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492
all docs

492
docs citations

492
times ranked

18952
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Light-Emitting Diode Based Fluorescence Sensing System for DNA Detection. <i>Advanced Materials Technologies</i> , 2022, 7, 2100806.	5.8	7
2	Fluorinated dibenzo[<i>a,c</i>]-phenazine-based green to red thermally activated delayed fluorescent OLED emitters. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4757-4766.	5.5	7
3	Ecosystem engineer morphological traits and taxon identity shape biodiversity across the euphotic-mesophotic transition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211834.	2.6	7
4	Solution-processable perylene diimide-based electron transport materials as non-fullerene alternatives for inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11046-11053.	10.3	11
5	Excited-State Modulation in Donor-Substituted Multiresonant Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22341-22352.	8.0	47
6	Room Temperature Polariton Lasing in Ladder-Type Oligo(p-Phenylene)s with Different Conjugation Lengths. <i>Advanced Photonics Research</i> , 2021, 2, 2000044.	3.6	8
7	New thiophene-based conjugated macrocycles for optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16257-16271.	5.5	14
8	Electron-withdrawing group modified carbazolophane donors for deep blue thermally activated delayed fluorescence OLEDs. <i>Materials Advances</i> , 2021, 2, 6684-6693.	5.4	5
9	Biogenic Gold Nanoparticles Decrease Methylene Blue Photobleaching and Enhance Antimicrobial Photodynamic Therapy. <i>Molecules</i> , 2021, 26, 623.	3.8	29
10	Organic photovoltaics for simultaneous energy harvesting and high-speed MIMO optical wireless communications. <i>Light: Science and Applications</i> , 2021, 10, 41.	16.6	37
11	Thermally Activated Delayed Fluorescence Emitters with Intramolecular Proton Transfer for High Luminance Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15459-15474.	8.0	30
12	Nanoscale Heterogeneity in CsPbBr ₃ and CsPbBr ₃ :KI Perovskite Films Revealed by Cathodoluminescence Hyperspectral Imaging. <i>ACS Applied Energy Materials</i> , 2021, 4, 2707-2715.	5.1	8
13	Development of Quantum Dot (QD) Based Color Converters for Multicolor Display. <i>Nanomaterials</i> , 2021, 11, 1089.	4.1	5
14	Using the Mechanical Bond to Tune the Performance of a Thermally Activated Delayed Fluorescence Emitter**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12066-12073.	13.8	32
15	Using the Mechanical Bond to Tune the Performance of a Thermally Activated Delayed Fluorescence Emitter**. <i>Angewandte Chemie</i> , 2021, 133, 12173-12180.	2.0	4
16	Fluorescence and thermal imaging of non-melanoma skin cancers before and during photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102327.	2.6	0
17	Low Threshold Room Temperature Polariton Lasing from Fluorene-Based Oligomers. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100028.	8.7	12
18	Organic Light-Emitting Diodes as an Innovative Approach for Treating Cutaneous Leishmaniasis. <i>Advanced Materials Technologies</i> , 2021, 6, 2100395.	5.8	11

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19	Molecular Design and Synthesis of Dicarbazolophane-Based Centrosymmetric Through-Space Donors for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>Organic Letters</i> , 2021, 23, 6697-6702.	4.6	5
20	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8074-8089.	2.5	47
21	A Randomised Assessor Blinded Comparison of Low Irradiance and Conventional Irradiance Photodynamic Therapy for Superficial Basal Cell Carcinoma and Bowen's Disease. <i>British Journal of Dermatology</i> , 2021, , .	1.5	1
22	Spiro-Based Thermally Activated Delayed Fluorescence Emitters with Reduced Nonradiative Decay for High-Quantum-Efficiency, Low-Roll-Off, Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44628-44640.	8.0	15
23	Design of cross-linked polyisobutylene matrix for efficient encapsulation of quantum dots. <i>Nanoscale Advances</i> , 2021, 3, 1443-1454.	4.6	10
24	Organic light emitting diode for in vitro antimicrobial photodynamic therapy of Candida strains. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 36, 102567.	2.6	6
25	High-Speed MIMO Communication and Simultaneous Energy Harvesting Using Novel Organic Photovoltaics. , 2021, , .		1
26	Engineering highways for excitons. <i>Joule</i> , 2021, 5, 2762-2764.	24.0	2
27	Effect of a twin-emitter design strategy on a previously reported thermally activated delayed fluorescence organic light-emitting diode. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2894-2905.	2.2	1
28	Interface limited hole extraction from methylammonium lead iodide films. <i>Materials Horizons</i> , 2020, 7, 943-948.	12.2	9
29	Optical Antennas for Wavelength Division Multiplexing in Visible Light Communications beyond the Åtendue Limit. <i>Advanced Optical Materials</i> , 2020, 8, 1901139.	7.3	29
30	Correlating Phase Behavior with Photophysical Properties in Mixed-Cation Mixed-Halide Perovskite Thin Films. <i>Advanced Energy Materials</i> , 2020, 10, 1901350.	19.5	17
31	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. <i>Advanced Optical Materials</i> , 2020, 8, 1901627.	7.3	182
32	Enhancing Exciton Diffusion Length Provides New Opportunities for Organic Photovoltaics. <i>Matter</i> , 2020, 3, 341-354.	10.0	63
33	Efficient Sky-Blue Organic Light-Emitting Diodes Using a Highly Horizontally Oriented Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Optical Materials</i> , 2020, 8, 2001354.	7.3	31
34	Organic Long-Persistent Luminescence from a Thermally Activated Delayed Fluorescence Compound. <i>Advanced Materials</i> , 2020, 32, e2003911.	21.0	86
35	Explosives detection by swabbing for improvised explosive devices. <i>Analyst, The</i> , 2020, 145, 7956-7963.	3.5	11
36	Long-range exciton diffusion in non-fullerene acceptors and coarse bulk heterojunctions enable highly efficient organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15687-15694.	10.3	33

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37	Nanoscale mobility mapping in semiconducting polymer films. <i>Ultramicroscopy</i> , 2020, 218, 113081.	1.9	4
38	Luminescent Dinuclear Copper(I) Complexes Bearing an Imidazolylpyrimidine Bridging Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 14772-14784.	4.0	26
39	Effect of halide-mixing on tolerance factor and charge-carrier dynamics in (CH ₃ NH ₃ PbBr ₃) _{1-x} Cl _x perovskites powders. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19415-19428.	2.2	4
40	Distributed Feedback Lasers Based on Green Fluorescent Protein and Conformal High Refractive Index Oxide Layers. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000101.	8.7	9
41	Annealing-enhanced birefringence and aggregation in MEH-PPV: A spectroscopic ellipsometry study. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	5
42	Organic semiconductors for visible light communications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190186.	3.4	32
43	Sensing of explosive vapor by hybrid perovskites: Effect of dimensionality. <i>APL Materials</i> , 2020, 8, .	5.1	19
44	Pick and Place Distributed Feedback Lasers Using Organic Single Crystals. <i>Advanced Optical Materials</i> , 2020, 8, 1901785.	7.3	7
45	245-MHz bandwidth organic light-emitting diodes used in a gigabit optical wireless data link. <i>Nature Communications</i> , 2020, 11, 1171.	12.8	56
46	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3773-3783.	5.5	27
47	Development of Very High Luminance p-i-n Junction-Based Blue Fluorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901721.	7.3	10
48	Fast Delayed Emission in New Pyridazine-Based Compounds. <i>Frontiers in Chemistry</i> , 2020, 8, 572862.	3.6	7
49	Triple-cation perovskite solar cells for visible light communications. <i>Photonics Research</i> , 2020, 8, A16.	7.0	24
50	Tuning the Exciton Diffusion Coefficient of Polyfluorene Based Semiconducting Polymers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800500.	2.4	4
51	Efficient indoor p-i-n hybrid perovskite solar cells using low temperature solution processed NiO as hole extraction layers. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110071.	6.2	32
52	Structure-directing effects in (110)-layered hybrid perovskites containing two distinct organic moieties. <i>Chemical Communications</i> , 2019, 55, 9935-9938.	4.1	26
53	Narrowband Organic Light-Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. <i>Advanced Materials</i> , 2019, 31, 1903599.	21.0	20
54	Single-Molecule Spectroscopy of Polyfluorene Chains Reveals β -Phase Content and Phase Reversibility in Organic Solvents. <i>Matter</i> , 2019, 1, 1399-1410.	10.0	6

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55	Fluorescence-Based Sensors and Preconcentration Techniques for Buried Explosives Detection. , 2019, , .		1
56	Use of Pyrimidine and Pyrazine Bridges as a Design Strategy To Improve the Performance of Thermally Activated Delayed Fluorescence Organic Light Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 45171-45179.	8.0	58
57	A hybrid organicâ€“inorganic polariton LED. Light: Science and Applications, 2019, 8, 81.	16.6	30
58	Unveiling the multi-step solubilization mechanism of sub-micron size vesicles by detergents. Scientific Reports, 2019, 9, 12897.	3.3	20
59	Flexible organic light-emitting diodes for antimicrobial photodynamic therapy. Npj Flexible Electronics, 2019, 3, .	10.7	54
60	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. Journal of Physical Chemistry C, 2019, 123, 24772-24785.	3.1	21
61	Design of Linear and Star-Shaped Macromolecular Organic Semiconductors for Photonic Applications. Accounts of Chemical Research, 2019, 52, 1665-1674.	15.6	26
62	Influence of Sulfur Oxidation State and Substituents on Sulfur-Bridged Luminescent Copper(I) Complexes Showing Thermally Activated Delayed Fluorescence. Inorganic Chemistry, 2019, 58, 7156-7168.	4.0	31
63	Highly efficient fullerene and non-fullerene based ternary organic solar cells incorporating a new tetrathiocin-cored semiconductor. Sustainable Energy and Fuels, 2019, 3, 2087-2099.	4.9	12
64	Turn on of sky-blue thermally activated delayed fluorescence and circularly polarized luminescence (CPL) via increased torsion by a bulky carbazolophane donor. Chemical Science, 2019, 10, 6689-6696.	7.4	135
65	BODIPY derivatives with near infra-red absorption as small molecule donors for bulk heterojunction solar cells. RSC Advances, 2019, 9, 15410-15423.	3.6	16
66	Enhanced thermally activated delayed fluorescence through bridge modification in sulfone-based emitters employed in deep blue organic light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 6664-6671.	5.5	39
67	Tailoring exciton diffusion and domain size in photovoltaic small molecules by annealing. Journal of Materials Chemistry C, 2019, 7, 7922-7928.	5.5	21
68	Efficient Singlet Oxygen Photogeneration by Zinc Porphyrin Dimers upon One- and Two-Photon Excitation. Journal of Physical Chemistry B, 2019, 123, 4271-4277.	2.6	26
69	Hole delocalization as a driving force for charge pair dissociation in organic photovoltaics. Materials Horizons, 2019, 6, 1050-1056.	12.2	18
70	Enhanced exciton harvesting in a planar heterojunction organic photovoltaic device by solvent vapor annealing. Organic Electronics, 2019, 70, 162-166.	2.6	11
71	Low Threshold Polariton Lasing from a Solutionâ€“Processed Organic Semiconductor in a Planar Microcavity. Advanced Optical Materials, 2019, 7, 1801791.	7.3	52
72	Large Crystalline Domains and an Enhanced Exciton Diffusion Length Enable Efficient Organic Solar Cells. Chemistry of Materials, 2019, 31, 6548-6557.	6.7	42

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73	Patterning Multicolor Hybrid Perovskite Films via Top-Down Lithography. ACS Nano, 2019, 13, 3823-3829.	14.6	95
74	Flexible and Ultra-Lightweight Polymer Membrane Lasers. , 2019, , .		1
75	Mapping hole mobility in PTB7 films at nanoscale. IOP Conference Series: Materials Science and Engineering, 2019, 699, 012001.	0.6	0
76	Comment on "Room-Temperature Continuous-Wave Operation of Organometal Halide Perovskite Lasers". ACS Nano, 2019, 13, 12257-12258.	14.6	14
77	Synthesis and optoelectronic properties of benzoquinone-based donor-acceptor compounds. Beilstein Journal of Organic Chemistry, 2019, 15, 2914-2921.	2.2	1
78	Preconcentration techniques for trace explosive sensing. Science of the Total Environment, 2019, 658, 650-658.	8.0	17
79	Monothiatruxene-Based, Solution-Processed Green, Sky-Blue, and Deep-Blue Organic Light-Emitting Diodes with Efficiencies Beyond 5% Limit. Advanced Functional Materials, 2019, 29, 1807572.	14.9	16
80	Low-threshold polariton lasing in a highly disordered conjugated polymer. Optica, 2019, 6, 1124.	9.3	36
81	Combined Ultramicrotomy and Atomic Force Microscopy Study of the Structure of a Bulk Heterojunction in Polymer Solar Cells. Semiconductors, 2018, 52, 105-111.	0.5	0
82	Engineered exciton diffusion length enhances device efficiency in small molecule photovoltaics. Journal of Materials Chemistry A, 2018, 6, 9445-9450.	10.3	17
83	Ultrafast Through-Space Electronic Energy Transfer in Molecular Dyads Built around Dynamic Spacer Units. Journal of Physical Chemistry A, 2018, 122, 4437-4447.	2.5	7
84	pH-Induced transformation of ligated Au ₂₅ to brighter Au ₂₃ nanoclusters. Nanoscale, 2018, 10, 11335-11341.	5.6	39
85	Carbon-Bridged p-Phenylenevinylene Polymer for High-Performance Solution-Processed Distributed Feedback Lasers. Advanced Optical Materials, 2018, 6, 1800069.	7.3	20
86	Exciton-Polaron Interactions in Polyfluorene Films with Î²-Phase. Journal of Physical Chemistry C, 2018, 122, 9766-9772.	3.1	13
87	Real-time observation of conformational switching in single conjugated polymer chains. Science Advances, 2018, 4, eaao5786.	10.3	17
88	Flexible Glass Hybridized Colloidal Quantum Dots for Gb/s Visible Light Communications. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	12
89	CuSCN Nanowires as Electrodes for p-Type Quantum Dot Sensitized Solar Cells: Charge Transfer Dynamics and Alumina Passivation. Journal of Physical Chemistry C, 2018, 122, 5161-5170.	3.1	8
90	Time-Resolved Studies of Energy Transfer in Thin Films of Green and Red Fluorescent Proteins. Advanced Functional Materials, 2018, 28, 1706300.	14.9	12

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91	Improved efficiency of PbS quantum dot sensitized NiO photocathodes with naphthalene diimide electron acceptor bound to the surface of the nanocrystals. <i>Solar Energy Materials and Solar Cells</i> , 2018, 181, 71-76.	6.2	8
92	An Organic Vortex Laser. <i>ACS Nano</i> , 2018, 12, 2389-2394.	14.6	30
93	Flexible and ultra-lightweight polymer membrane lasers. <i>Nature Communications</i> , 2018, 9, 1525.	12.8	122
94	Ultra-wide coverage VLC system with alignment-free receiver. , 2018, , .		5
95	Ormosil-coated conjugated polymers for the detection of explosives in aqueous environments. <i>Talanta</i> , 2018, 179, 426-429.	5.5	16
96	Electrifying quantum dots for lasers. <i>Nature Materials</i> , 2018, 17, 9-10.	27.5	18
97	An investigation of the role acceptor side chains play in the processibility and efficiency of organic solar cells fabricated from small molecular donors featuring 3,4-ethylenedioxythiophene cores. <i>RSC Advances</i> , 2018, 8, 39231-39240.	3.6	5
98	High-Bandwidth Organic Light Emitting Diodes for Ultra-Low Cost Visible Light Communication Links. , 2018, , .		4
99	High-Efficiency Deep-Blue-Emitting Organic Light-Emitting Diodes Based on Iridium(III) Carbene Complexes. <i>Advanced Materials</i> , 2018, 30, e1804231.	21.0	160
100	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33360-33372.	8.0	67
101	2018: <i>Invited Paper:</i> Towards Deep-Blue Materials with Efficient Triplet Harvesting. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 239-242.	0.3	1
102	Hot-Hole Cooling Controls the Initial Ultrafast Relaxation in Methylammonium Lead Iodide Perovskite. <i>Scientific Reports</i> , 2018, 8, 8115.	3.3	32
103	The Role of Metallic Dopants in Improving the Thermal Stability of the Electron Transport Layer in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800496.	7.3	15
104	Effect of fullerene acceptor on the performance of solar cells based on PffBT4T-2OD. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19023-19029.	2.8	14
105	(Deep) blue through-space conjugated TADF emitters based on [2.2]paracyclophanes. <i>Chemical Communications</i> , 2018, 54, 9278-9281.	4.1	106
106	Triptycene as a Supramolecular Additive in PTB7:PCBM Blends and Its Influence on Photovoltaic Properties. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24665-24678.	8.0	9
107	Influence of perfluorinated ionomer in PEDOT:PSS on the rectification and degradation of organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16012-16028.	10.3	25
108	Probing the structure-property-composition relationship in organic-inorganic tri-halide perovskites. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20489-20496.	2.8	2

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109	Electron mobility of non-fullerene acceptors using a time of flight method. <i>Organic Electronics</i> , 2018, 63, 415-420.	2.6	10
110	Current Status of Outdoor Lifetime Testing of Organic Photovoltaics. <i>Advanced Science</i> , 2018, 5, 1800434.	11.2	73
111	Role of lattice distortion and A site cation in the phase transitions of methylammonium lead halide perovskites. <i>Physical Review Materials</i> , 2018, 2, .	2.4	20
112	Transfer-printed micro-LED and polymer-based transceiver for visible light communications. <i>Optics Express</i> , 2018, 26, 31474.	3.4	19
113	MIMO Visible Light Communications Using a Wide Field-of-View Fluorescent Concentrator. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 306-309.	2.5	21
114	Exciton Diffusion Length and Charge Extraction Yield in Organic Bilayer Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1604424.	21.0	36
115	A low-cost, portable optical explosive-vapour sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 334-340.	7.8	35
116	A comparative study of optical concentrators for visible light communications. <i>Proceedings of SPIE</i> , 2017, , .	0.8	5
117	An Investigation of the Energy Levels within a Common Perovskite Solar Cell Device and a Comparison of DC/AC Surface Photovoltage Spectroscopy Kelvin Probe Measurements of Different MAPBI3 Perovskite Solar Cell Device Structures. <i>MRS Advances</i> , 2017, 2, 1195-1201.	0.9	5
118	Ultrafast Electronic Energy Transfer in an Orthogonal Molecular Dyad. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1086-1092.	4.6	32
119	A saturated red color converter for visible light communication using a blend of star-shaped organic semiconductors. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	15
120	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	22
121	Tuning crystalline ordering by annealing and additives to study its effect on exciton diffusion in a polyalkylthiophene copolymer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12441-12451.	2.8	23
122	Correlating photovoltaic properties of a PTB7-Th:PC ₇₁ BM blend to photophysics and microstructure as a function of thermal annealing. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14646-14657.	10.3	61
123	Blue-to-Green Emitting Neutral Ir(III) Complexes Bearing Pentafluorosulfanyl Groups: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2017, 56, 7533-7544.	4.0	40
124	Effect of Annealing on Exciton Diffusion in a High Performance Small Molecule Organic Photovoltaic Material. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14945-14952.	8.0	36
125	Light Harvesting for Organic Photovoltaics. <i>Chemical Reviews</i> , 2017, 117, 796-837.	47.7	457
126	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017, 7, 12282.	3.3	17

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127	Air exposure induced recombination in PTB7:PC ₇₁ BM solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21926-21935.	10.3	8
128	Barrierless Slow Dissociation of Photogenerated Charge Pairs in High-Performance Polymer-Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14060-14065.	3.1	11
129	Charge Separation and Triplet Exciton Formation Pathways in Small-Molecule Solar Cells as Studied by Time-Resolved EPR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22707-22719.	3.1	19
130	Green Perovskite Distributed Feedback Lasers. <i>Scientific Reports</i> , 2017, 7, 11727.	3.3	72
131	Size dependence of efficiency of PbS quantum dots in NiO-based dye sensitised solar cells and mechanistic charge transfer investigation. <i>Nanoscale</i> , 2017, 9, 15566-15575.	5.6	11
132	Polymer colour converter with very high modulation bandwidth for visible light communications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8916-8920.	5.5	13
133	Emergent Properties of an Organic Semiconductor Driven by its Molecular Chirality. <i>ACS Nano</i> , 2017, 11, 8329-8338.	14.6	136
134	Charge carrier localised in zero-dimensional (CH ₃ NH ₃) ₃ Bi ₂ I ₉ clusters. <i>Nature Communications</i> , 2017, 8, 170.	12.8	62
135	Novel 4,8-benzobisthiazole copolymers and their field-effect transistor and photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11927-11936.	5.5	23
136	Intermolecular states in organic dye dispersions: excimers vs. aggregates. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8380-8389.	5.5	60
137	Nanoimprinted distributed feedback lasers of solution processed hybrid perovskites. <i>Optics Express</i> , 2016, 24, 23677.	3.4	80
138	Self-trapping and excited state absorption in fluorene homo-polymer and copolymers with benzothiadiazole and tri-phenylamine. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21937-21948.	2.8	13
139	Probing the energy levels of perovskite solar cells via Kelvin probe and UV ambient pressure photoemission spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19738-19745.	2.8	90
140	Morphology-Specific Inhibition of β -Amyloid Aggregates by 17 β -Hydroxysteroid Dehydrogenase Type 10. <i>ChemBioChem</i> , 2016, 17, 1029-1037.	2.6	12
141	BODIPY star-shaped molecules as solid state colour converters for visible light communications. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	16
142	Optofluidic distributed feedback lasers with evanescent pumping: Reduced threshold and angular dispersion analysis. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	18
143	Influence of Blend Ratio and Processing Additive on Free Carrier Yield and Mobility in PTB7:PC ₇₁ BM Photovoltaic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9588-9594.	3.1	17
144	Exploring the self-assembly and energy transfer of dynamic supramolecular iridium-porphyrin systems. <i>Dalton Transactions</i> , 2016, 45, 17195-17205.	3.3	23

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145	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometallating Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 10361-10376.	4.0	43
146	Wide field-of-view fluorescent antenna for visible light communications beyond the Å©tendue limit. <i>Optica</i> , 2016, 3, 702.	9.3	73
147	Measuring and structuring the spatial coherence length of organic light-emitting diodes. <i>Laser and Photonics Reviews</i> , 2016, 10, 82-90.	8.7	12
148	Controlling the emission efficiency of blue-green iridium(iii) phosphorescent emitters and applications in solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8939-8946.	5.5	23
149	Effect of a high boiling point additive on the morphology of solution-processed P3HT-fullerene blends. <i>Synthetic Metals</i> , 2016, 216, 23-30.	3.9	10
150	Synthesis and properties of pteridine-2,4-dione-functionalised oligothiophenes. <i>RSC Advances</i> , 2016, 6, 7999-8005.	3.6	1
151	Enhancing the photoluminescence quantum yields of blue-emitting cationic iridium(<i>iii</i>) complexes bearing biphosphine ligands. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 218-235.	6.0	45
152	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9247-9253.	8.0	56
153	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4252-4263.	10.3	24
154	Solubilised bright blue-emitting iridium complexes for solution processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3726-3737.	5.5	65
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