Ifor D W Samuel

List of Publications by Year
in descending order

484	23,596	9264	14208
papers	citations	74 h-index	128 g-index

492	492	492	18952
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic Semiconductor Lasers. Chemical Reviews, 2007, 107, 1272-1295.	47.7	1,334
2	Measurement of absolute photoluminescence quantum efficiencies in conjugated polymers. Chemical Physics Letters, 1995, 241, 89-96.	2.6	791
3	Exciton Diffusion Measurements in Poly(3â€hexylthiophene). Advanced Materials, 2008, 20, 3516-3520.	21.0	768
4	The Development of Light-Emitting Dendrimers for Displays. Advanced Materials, 2007, 19, 1675-1688.	21.0	460
5	Light Harvesting for Organic Photovoltaics. Chemical Reviews, 2017, 117, 796-837.	47.7	457
6	Chiral metal complexes with large octupolar optical nonlinearities. Nature, 1995, 374, 339-342.	27.8	310
7	Determining the optimum morphology in high-performance polymer-fullerene organic photovoltaic cells. Nature Communications, 2013, 4, 2867.	12.8	307
8	Conjugated Dendrimers for Light-Emitting Diodes: Effect of Generation. Advanced Materials, 1999, 11, 371-374.	21.0	249
9	How to recognize lasing. Nature Photonics, 2009, 3, 546-549.	31.4	249
10	Efficient interchain photoluminescence in a high-electron-affinity conjugated polymer. Physical Review B, 1995, 52, R11573-R11576.	3.2	230
11	High-efficiency green phosphorescence from spin-coated single-layer dendrimer light-emitting diodes. Applied Physics Letters, 2002, 80, 2645-2647.	3.3	227
12	Blue Phosphorescence from Iridium(III) Complexes at Room Temperature. Chemistry of Materials, 2006, 18, 5119-5129.	6.7	221
13	Increased Efficiency and Controlled Light Output from a Microstructured Light-Emitting Diode. Advanced Materials, 2001, 13, 123-127.	21.0	196
14	Hybrid optoelectronics: A polymer laser pumped by a nitride light-emitting diode. Applied Physics Letters, 2008, 92, .	3.3	190
15	High-Triplet-Energy Dendrons: Enhancing the Luminescence of Deep Blue Phosphorescent Iridium(III) Complexes. Journal of the American Chemical Society, 2009, 131, 16681-16688.	13.7	188
16	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. Advanced Optical Materials, 2020, 8, 1901627.	7.3	182
17	Bragg scattering from periodically microstructured light emitting diodes. Applied Physics Letters, 2000, 77, 3340-3342.	3.3	175
18	Solution-Processable Red Phosphorescent Dendrimers for Light-Emitting Device Applications. Advanced Materials, 2004, 16, 557-560.	21.0	175

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19	Wearable Organic Optoelectronic Sensors for Medicine. Advanced Materials, 2015, 27, 7638-7644.	21.0	166
20	Singlet exciton diffusion in MEH-PPV films studied by excitonâ€“exciton annihilation. Organic Electronics, 2006, 7, 452-456.	2.6	164
21	Exciton dynamics in electroluminescent polymers studied by femtosecond time-resolved photoluminescence spectroscopy. Physical Review B, 1995, 52, R11569-R11572.	3.2	161
22	Highâ€Efficiency Deepâ€Blueâ€Emitting Organic Lightâ€Emitting Diodes Based on Iridium(III) Carbene Complexes. Advanced Materials, 2018, 30, e1804231.	21.0	160
23	Light amplification and gain in polyfluorene waveguides. Applied Physics Letters, 2002, 81, 415-417.	3.3	156
24	Synthesis and Properties of Highly Efficient Electroluminescent Green Phosphorescent Iridium Cored Dendrimers. Macromolecules, 2003, 36, 9721-9730.	4.8	155
25	Saturation of Cubic Optical Nonlinearity in Long-Chain Polyene Oligomers. Science, 1994, 265, 1070-1072.	12.6	152
26	Relationship between photonic band structure and emission characteristics of a polymer distributed feedback laser. Physical Review B, 2001, 64, .	3.2	151
27	Charge carrier mobility of the organic photovoltaic materials PTB7 and PC71BM and its influence on device performance. Organic Electronics, 2015, 22, 62-68.	2.6	149
28	Encapsulated Cores: Host-Free Organic Light-Emitting Diodes Based on Solution-Processible Electrophosphorescent Dendrimers. Advanced Materials, 2005, 17, 1945-1948.	21.0	148
29	The efficiency and time-dependence of luminescence from poly (p-phenylene vinylene) and derivatives. Chemical Physics Letters, 1993, 213, 472-478.	2.6	146
30	A Light-Blue Phosphorescent Dendrimer for Efficient Solution-ProcessedÂLight-Emitting Diodes. Advanced Functional Materials, 2005, 15, 1451-1458.	14.9	146
31	Systematic study of exciton diffusion length in organic semiconductors by six experimental methods. Materials Horizons, 2014, 1, 280-285.	12.2	144
32	Control of Charge Transport and Intermolecular Interaction in Organic Light-Emitting Diodes by Dendrimer Generation. Advanced Materials, 2001, 13, 258-261.	21.0	140
33	An open pilot study of ambulatory photodynamic therapy using a wearable low-irradiance organic light-emitting diode light source in the treatment of nonmelanoma skin cancer. British Journal of Dermatology, 2009, 161, 170-173.	1.5	139
34	Emergent Properties of an Organic Semiconductor Driven by its Molecular Chirality. ACS Nano, 2017, 11, 8329-8338.	14.6	136
35	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
36	Operating characteristics of a semiconducting polymer laser pumped by a microchip laser. Applied Physics Letters, 2003, 82, 313-315.	3.3	134

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37	Direct observation of intersystem crossing in a thermally activated delayed fluorescence copper complex in the solid state. Science Advances, 2016, 2, e1500889.	10.3	133
38	Highly efficient single-layer dendrimer light-emitting diodes with balanced charge transport. Applied Physics Letters, 2003, 82, 4824-4826.	3.3	128
39	Flexible and ultra-lightweight polymer membrane lasers. Nature Communications, 2018, 9, 1525.	12.8	122
40	Photophysics of Fac-Tris(2-Phenylpyridine) Iridium(III) Cored Electroluminescent Dendrimers in Solution and Films. Journal of Physical Chemistry B, 2004, 108, 1570-1577.	2.6	115
41	Light Out-Coupling Efficiencies of Organic Light-Emitting Diode Structures and the Effect of Photoluminescence Quantum Yield. Advanced Functional Materials, 2005, 15, 1839-1844.	14.9	114
42	Triplet exciton diffusion in fac-tris(2-phenylpyridine) iridium(III)-cored electroluminescent dendrimers. Applied Physics Letters, 2005, 86, 091104.	3.3	114
43	Photoluminescence and electroluminescence in conjugated polymeric systems. Synthetic Metals, 1993, 57, 4031-4040.	3.9	111
44	Investigations of excitation energy transfer and intramolecular interactions in a nitrogen corded distrylbenzene dendrimer system. Journal of Chemical Physics, 2002, 116, 8893-8903.	3.0	111
45	Blue, surface-emitting, distributed feedback polyfluorene lasers. Applied Physics Letters, 2003, 83, 2118-2120.	3.3	111
46	A Facile Iterative Procedure for the Preparation of Dendrimers Containing Luminescent Cores and Stilbene Dendrons. Macromolecules, 1999, 32, 5985-5993.	4.8	110
47	Tuning the emission of cyclometalated iridium complexes by simple ligand modification. Journal of Materials Chemistry, 2003, 13, 80-83.	6.7	110
48	Light-Emitting Electrochemical Cells and Solution-Processed Organic Light-Emitting Diodes Using Small Molecule Organic Thermally Activated Delayed Fluorescence Emitters. Chemistry of Materials, 2015, 27, 6535-6542.	6.7	110
49	Visible Light Communication Using a Blue GaN $mu $ LED and Fluorescent Polymer Color Converter. IEEE Photonics Technology Letters, 2014, 26, 2035-2038.	2.5	109
50	(Deep) blue through-space conjugated TADF emitters based on [2.2]paracyclophanes. Chemical Communications, 2018, 54, 9278-9281.	4.1	106
51	Ultrafast depolarization of the fluorescence in a conjugated polymer. Physical Review B, 2005, 72, .	3.2	105
52	Solutionâ€Processible Phosphorescent Blue Dendrimers Based on Biphenylâ€Dendrons and Facâ€tris(phenyltriazolyl)iridium(III) Cores. Advanced Functional Materials, 2008, 18, 3080-3090.	14.9	104
53	Conformational disorder and energy migration in MEH-PPV with partially broken conjugation. Journal of Chemical Physics, 2003, 118, 7644.	3.0	99
54	Control of mobility in molecular organic semiconductors by dendrimer generation. Physical Review B, 2001, 63, .	3.2	98

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55	Two-dimensional distributed feedback lasers using a broadband, red polyfluorene gain medium. Journal of Applied Physics, 2004, 96, 6959-6965.	2.5	97
56	Ultrafast luminescence in Ir(ppy)3. Chemical Physics Letters, 2008, 450, 292-296.	2.6	96
57	Chromism and luminescence in regioregular poly(3-dodecylthiophene). Synthetic Metals, 1996, 76, 47-51.	3.9	95
58	Low-threshold organic laser based on an oligofluorene truxene with low optical losses. Applied Physics Letters, 2009, 94, .	3.3	95
59	Patterning Multicolor Hybrid Perovskite Films via Top-Down Lithography. ACS Nano, 2019, 13, 3823-3829.	14.6	95
60	Nanoimprinted Organic Semiconductor Laser Pumped by a Lightâ€Emitting Diode. Advanced Materials, 2013, 25, 2826-2830.	21.0	92
61	Probing the energy levels of perovskite solar cells via Kelvin probe and UV ambient pressure photoemission spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 19738-19745.	2.8	90
62	Diode pumped distributed Bragg reflector lasers based on a dye-to-polymer energy transfer blend. Optics Express, 2006, 14, 9211.	3.4	88
63	Polymer lasers: recent advances. Materials Today, 2004, 7, 28-35.	14.2	86
64	Organic Longâ€Persistent Luminescence from a Thermally Activated Delayed Fluorescence Compound. Advanced Materials, 2020, 32, e2003911.	21.0	86
65	Control of Electrophosphorescence in Conjugated Dendrimer Light-Emitting Diodes. Advanced Functional Materials, 2001, 11, 287-294.	14.9	85
66	Tuning the Optoelectronic Properties of Pyridine-Containing Polymers for Light-Emitting Devices. Advanced Materials, 2000, 12, 217-222.	21.0	84
67	Sensitive Explosive Vapor Detection with Polyfluorene Lasers. Advanced Functional Materials, 2010, 20, 2093-2097.	14.9	84
68	Ultrafast Intersystem Crossing in a Red Phosphorescent Iridium Complex. Journal of Physical Chemistry A, 2009, 113, 2-4.	2.5	83
69	Polymer laser fabricated by a simple micromolding process. Applied Physics Letters, 2003, 82, 4023-4025.	3.3	81
70	Control of Efficiency, Brightness, and Recombination Zone in Lightâ€Emitting Field Effect Transistors. Advanced Materials, 2012, 24, 1171-1175.	21.0	81
71	Tuning the Emission of Cationic Iridium (III) Complexes Towards the Red Through Methoxy Substitution of the Cyclometalating Ligand. Scientific Reports, 2015, 5, 12325.	3.3	81
72	Amplified spontaneous emission and lasing properties of bisfluorene-cored dendrimers. Applied Physics Letters, 2007, 91, .	3.3	80

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73	Highly Branched Phosphorescent Dendrimers for Efficient Solution-Processed Organic Light-Emitting Diodes. Advanced Functional Materials, 2007, 17, 1149-1152.	14.9	80
74	Nanoimprinted distributed feedback lasers of solution processed hybrid perovskites. Optics Express, 2016, 24, 23677.	3.4	80
75	Excitonâ€“Exciton Annihilation in Mixedâ€Phase Polyfluorene Films. Advanced Functional Materials, 2010, 20, 155-161.	14.9	78
76	Light-induced second-harmonic generation in an octupolar dye. Optics Letters, 1995, 20, 2469.	3.3	77
77	Photonic band structure and emission characteristics of a metal-backed polymeric distributed feedback laser. Applied Physics Letters, 2002, 81, 954-956.	3.3	75
78	Site-selective fluorescence studies of poly(p-phenylene vinylene) and its derivatives. Physical Review B, 1996, 53, 15815-15822.	3.2	74
79	An efficient electron-transporting polymer for light-emitting diodes. Journal of Physics Condensed Matter, 1998, 10, 5171-5178.	1.8	73
80	Production and luminescent properties of CdSe and CdS nanoparticleâ€“polymer composites. Journal of Luminescence, 2004, 109, 163-172.	3.1	73
81	Wide field-of-view fluorescent antenna for visible light communications beyond the Ã©tendue limit. Optica, 2016, 3, 702.	9.3	73
82	Current Status of Outdoor Lifetime Testing of Organic Photovoltaics. Advanced Science, 2018, 5, 1800434.	11.2	73
83	Organic solar cells as high-speed data detectors for visible light communication. Optica, 2015, 2, 607.	9.3	72
84	Green Perovskite Distributed Feedback Lasers. Scientific Reports, 2017, 7, 11727.	3.3	72
85	Time-resolved luminescence measurements in poly(p-phenylenevinylene). Synthetic Metals, 1993, 54, 281-288.	3.9	71
86	The Impact of Driving Force on Electron Transfer Rates in Photovoltaic Donorâ€“Acceptor Blends. Advanced Materials, 2015, 27, 2496-2500.	21.0	71
87	Bipolaron Formation in Organic Solar Cells Observed by Pulsed Electrically Detected Magnetic Resonance. Physical Review Letters, 2010, 105, 176601.	7.8	70
88	Electroluminescence from a new distyrylbenzene based triazine dendrimer. Journal of Materials Chemistry, 2000, 10, 867-871.	6.7	69
89	Charge transport in highly efficient iridium cored electrophosphorescent dendrimers. Journal of Applied Physics, 2004, 95, 438-445.	2.5	68
90	Solution-processed boron subphthalocyanine derivatives as acceptors for organic bulk-heterojunction solar cells. Journal of Materials Chemistry A, 2015, 3, 7345-7352.	10.3	68

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91	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 33360-33372.	8.0	67
92	Experimental determination of conjugation lengths in long polyene chains. Journal of Chemical Physics, 1995, 103, 6248-6252.	3.0	66
93	Laser Chemosensor with Rapid Responsivity and Inherent Memory Based on a Polymer of Intrinsic Microporosity. Sensors, 2011, 11, 2478-2487.	3.8	66
94	Triplet Exciton Diffusion and Phosphorescence Quenching in Iridium(III)-Centered Dendrimers. Physical Review Letters, 2008, 100, 017402.	7.8	65
95	Solubilised bright blue-emitting iridium complexes for solution processed OLEDs. Journal of Materials Chemistry C, 2016, 4, 3726-3737.	5.5	65
96	Highly Luminescent Colloidal CdS Quantum Dots with Efficient Near-Infrared Electroluminescence in Light-Emitting Diodes. Journal of Physical Chemistry C, 2016, 120, 1871-1880.	3.1	65
97	Efficient energy transfer in organic thin filmsâ€"implications for organic lasers. Journal of Applied Physics, 2002, 92, 6367-6371.	2.5	63
98	The synthesis and properties of solution processable red-emitting phosphorescent dendrimers. Journal of Materials Chemistry, 2004, 14, 2881.	6.7	63
99	Control of Charge Transport in Iridium(III) Complexâ€€Cored Carbazole Dendrimers by Generation and Structural Modification. Advanced Functional Materials, 2009, 19, 317-323.	14.9	63
100	Enhancing Exciton Diffusion Length Provides New Opportunities for Organic Photovoltaics. Matter, 2020, 3, 341-354.	10.0	63
101	Control of Intrachromophore Excitonic Coherence in Electroluminescent Conjugated Dendrimers. Journal of Physical Chemistry B, 2002, 106, 7647-7653.	2.6	62
102	Surface plasmon-polariton mediated emission from phosphorescent dendrimer light-emitting diodes. Applied Physics Letters, 2006, 88, 161105.	3.3	62
103	Ambulatory photodynamic therapy: a new concept in delivering photodynamic therapy. British Journal of Dermatology, 2006, 154, 747-750.	1.5	62
104	Charge carrier localised in zero-dimensional (CH3NH3)3Bi2I9 clusters. Nature Communications, 2017, 8, 170.	12.8	62
105	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. Inorganic Chemistry, 2015, 54, 5907-5914.	4.0	61
106	Correlating photovoltaic properties of a PTB7-Th:PC₇₁BM blend to photophysics and microstructure as a function of thermal annealing. Journal of Materials Chemistry A, 2017, 5, 14646-14657.	10.3	61
107	Time-dependence of erbium(III) tris(8-hydroxyquinolate) near-infrared photoluminescence: implications for organic light-emitting diode efficiency. Synthetic Metals, 2003, 138, 463-469.	3.9	60
108	Intermolecular states in organic dye dispersions: excimers vs. aggregates. Journal of Materials Chemistry C, 2017, 5, 8380-8389.	5.5	60

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109	A Phosphorescent Poly(dendrimer) Containing Iridium(III) Complexes: Synthesis and Light-Emitting Properties. Macromolecules, 2010, 43, 6986-6994.	4.8	59
110	A versatile gold synthon for acetylene Câ€“H bond activation. Dalton Transactions, 2010, 39, 10382.	3.3	59
111	Microâ€ŁED pumped polymer laser: A discussion of future pump sources for organic lasers. Laser and Photonics Reviews, 2013, 7, 1065-1078.	8.7	59
112	Tuneability of amplified spontaneous emission through control of the waveguide-mode structure in conjugated polymer films. Physical Review B, 2000, 62, R11929-R11932.	3.2	58
113	Polymeric Alkoxy PBD [2-(4-Biphenylyl)-5-Phenyl-1,3,4-Oxadiazole] for Light-Emitting Diodes. Advanced Functional Materials, 2001, 11, 47-50.	14.9	58
114	Novel Heterolayer Organic Light-Emitting Diodes Based on a Conjugated Dendrimer. Advanced Functional Materials, 2002, 12, 507.	14.9	58
115	A rapid route to carbazole containing dendrons and phosphorescent dendrimers. Journal of Materials Chemistry, 2008, 18, 2121.	6.7	58
116	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
117	Conjugated dendrimers for LEDs: Control of colour. Synthetic Metals, 1999, 102, 1113-1114.	3.9	57
118	Tuning of emission color for blue dendrimer blend light-emitting diodes. Applied Physics Letters, 2004, 85, 1463-1465.	3.3	57
119	Novel Fast Color-Converter for Visible Light Communication Using a Blend of Conjugated Polymers. ACS Photonics, 2015, 2, 194-199.	6.6	57
120	Photonic mode dispersion of a two-dimensional distributed feedback polymer laser. Physical Review B, 2003, 67, .	3.2	56
121	LED pumped polymer laser sensor for explosives. Laser and Photonics Reviews, 2013, 7, L71-L76.	8.7	56
122	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. ACS Applied Materials & Interfaces, 2016, 8, 9247-9253.	8.0	56
123	245â€‰MHz bandwidth organic light-emitting diodes used in a gigabit optical wireless data link. Nature Communications, 2020, 11, 1171.	12.8	56
124	BODIPY-based conjugated polymers for broadband light sensing and harvesting applications. Journal of Materials Chemistry, 2012, 22, 14119.	6.7	54
125	Flexible organic light-emitting diodes for antimicrobial photodynamic therapy. Npj Flexible Electronics, 2019, 3, .	10.7	54
126	Effects of dipole orientation and birefringence on the optical emission from thin films. Optics Communications, 2000, 183, 109-121.	2.1	53

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127	Highâ€Gain Broadband Solidâ€State Optical Amplifier using a Semiconducting Copolymer. Advanced Materials, 2009, 21, 107-110.	21.0	53
128	Low Threshold Polariton Lasing from a Solutionâ€Processed Organic Semiconductor in a Planar Microcavity. Advanced Optical Materials, 2019, 7, 1801791.	7.3	52
129	Characterization of the photoproducts of protoporphyrin IX bound to human serum albumin and immunoglobulin G. Biophysical Chemistry, 2004, 109, 351-360.	2.8	51
130	Discrete hopping model of exciton transport in disordered media. Physical Review B, 2005, 72, .	3.2	51
131	Quantitative analysis of multiâ€protein interactions using FRET: Application to the SUMO pathway. Protein Science, 2008, 17, 777-784.	7.6	50
132	Effect of metal cathode reflectance on the exciton-dissociation efficiency in heterojunction organic solar cells. Applied Physics Letters, 2009, 94, 103303.	3.3	50
133	Influence of molecular structure on the properties of dendrimer light-emitting diodes. Organic Electronics, 2003, 4, 71-76.	2.6	48
134	Broadly tunable deep blue laser based on a star-shaped oligofluorene truxene. Synthetic Metals, 2010, 160, 1397-1400.	3.9	48
135	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. Journal of Physical Chemistry A, 2021, 125, 8074-8089.	2.5	47
136	Excited-State Modulation in Donor-Substituted Multiresonant Thermally Activated Delayed Fluorescence Emitters. ACS Applied Materials & Interfaces, 2022, 14, 22341-22352.	8.0	47
137	Broadband optical amplifier based on a conjugated polymer. Applied Physics Letters, 2002, 80, 3036-3038.	3.3	46
138	The synthesis and properties of iridium cored dendrimers with carbazole dendrons. Organic Electronics, 2006, 7, 85-98.	2.6	46
139	The solid-state photoluminescent quantum yield of triboluminescent materials. Chemical Physics Letters, 2001, 336, 234-241.	2.6	45
140	The Effect of Core Delocalization on Intermolecular Interactions in Conjugated Dendrimers. Advanced Functional Materials, 2003, 13, 211-218.	14.9	45
141	Investigating the Effect of Steric Crowding in Phosphorescent Dendrimers. Macromolecules, 2005, 38, 9564-9570.	4.8	45
142	Fluidic fibre dye lasers. Optics Express, 2007, 15, 3962.	3.4	45
143	A Shift from Diffusion Assisted to Energy Transfer Controlled Fluorescence Quenching in Polymerâ€“Fullerene Photovoltaic Blends. Journal of Physical Chemistry C, 2012, 116, 23931-23937.	3.1	45
144	Ordered Polymer Nanofibers Enhance Output Brightness in Bilayer Light-Emitting Field-Effect Transistors. ACS Nano, 2013, 7, 2344-2351.	14.6	45

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145	Enhancing the photoluminescence quantum yields of blue-emitting cationic iridium(<scp>iii</scp>) complexes bearing bisphosphine ligands. Inorganic Chemistry Frontiers, 2016, 3, 218-235.	6.0	45
146	Bright electroluminescence from a conjugated dendrimer. Applied Physics Letters, 2002, 81, 2285-2287.	3.3	44
147	Improved operational lifetime of semiconducting polymer lasers by encapsulation. Applied Physics Letters, 2007, 91, .	3.3	44
148	Phosphorescent Lightâ€Emitting Transistors: Harvesting Triplet Excitons. Advanced Materials, 2009, 21, 4957-4961.	21.0	44
149	Fluorescence Quenchers in Mixed Phase Polyfluorene Films. Journal of Physical Chemistry C, 2010, 114, 17864-17867.	3.1	44
150	Fluorescent Redâ€Emitting BODIPY Oligofluorene Starâ€Shaped Molecules as a Color Converter Material for Visible Light Communications. Advanced Optical Materials, 2015, 3, 536-540.	7.3	44
151	A two-photon pumped polyfluorene laser. Applied Physics Letters, 2009, 94, .	3.3	43
152	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometallating Ligands. Inorganic Chemistry, 2016, 55, 10361-10376.	4.0	43
153	Polarization dependence of the ultrafast photoluminescence of oriented poly(p-phenylenevinylene). Physical Review B, 1997, 56, 3838-3843.	3.2	42
154	Splitâ€Gate Organic Field Effect Transistors: Control Over Charge Injection and Transport. Advanced Materials, 2010, 22, 4649-4653.	21.0	42
155	Aromatic Stacking Interactions in Flavin Model Systems. Accounts of Chemical Research, 2013, 46, 1000-1009.	15.6	42
156	Large Crystalline Domains and an Enhanced Exciton Diffusion Length Enable Efficient Organic Solar Cells. Chemistry of Materials, 2019, 31, 6548-6557.	6.7	42
157	Chemosensing of 1,4-dinitrobenzene using bisfluorene dendrimer distributed feedback lasers. Applied Physics Letters, 2009, 95, .	3.3	41
158	Synthesis and Electropolymerization of Hexadecyl Functionalized Bithiophene and Thieno[3,2-b]thiophene End-Capped with EDOT and EDTT Units. Chemistry of Materials, 2010, 22, 3000-3008.	6.7	41
159	Twoâ€Photon Absorption and Lasing in Firstâ€Generation Bisfluorene Dendrimers. Advanced Materials, 2008, 20, 1940-1944.	21.0	40
160	Optical Excitations in Star-Shaped Fluorene Molecules. Journal of Physical Chemistry A, 2011, 115, 2913-2919.	2.5	40
161	Laser action in a surface-structured free-standing membrane based on a Ï€-conjugated polymer-composite. Organic Electronics, 2011, 12, 62-69.	2.6	40
162	Blue-to-Green Emitting Neutral Ir(III) Complexes Bearing Pentafluorosulfanyl Groups: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2017, 56, 7533-7544.	4.0	40

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163	Optical properties of a light-emitting polymer directly patterned by soft lithography. Applied Physics Letters, 2002, 81, 1955-1957.	3.3	39
164	Optical Spectroscopy of Long Polyenes. Journal of Physical Chemistry A, 2004, 108, 8229-8236.	2.5	39
165	Optoelectronic Gate Dielectrics for High Brightness and Highâ€Efficiency Lightâ€Emitting Transistors. Advanced Materials, 2011, 23, 2353-2356.	21.0	39
166	Formylated chloro-bridged iridium(<scp>iii</scp>) dimers as OLED materials: opening up new possibilities. Dalton Transactions, 2015, 44, 8419-8432.	3.3	39
167	Palladium(0) NHC complexes: a new avenue to highly efficient phosphorescence. Chemical Science, 2015, 6, 3248-3261.	7.4	39
168	pH-Induced transformation of ligated Au₂₅ to brighter Au₂₃ nanoclusters. Nanoscale, 2018, 10, 11335-11341.	5.6	39
169	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
170	Tuneable distributed feedback lasing in MEH-PPV films. Synthetic Metals, 2001, 121, 1757-1758.	3.9	38
171	Solution processable phosphorescent rhenium(i) dendrimers. Journal of Materials Chemistry, 2007, 17, 4255.	6.7	38
172	Organic Semiconductor Optical Amplifiers. Proceedings of the IEEE, 2009, 97, 1637-1650.	21.3	38
173	The development of phenylethylene dendrons for blue phosphorescent emitters. Journal of Materials Chemistry, 2009, 19, 3213.	6.7	38
174	Highly efficient solution-processable europium-complex based organic light-emitting diodes. Organic Electronics, 2012, 13, 3091-3096.	2.6	38
175	Temperature-dependent single carrier device model for polymeric light emitting diodes. Journal Physics D: Applied Physics, 1999, 32, 2973-2984.	2.8	37
176	Index and Relief Gratings in Polymer Films for Organic Distributed Feedback Lasers. Chemistry of Materials, 2002, 14, 4178-4185.	6.7	37
177	Non-radiative decay mechanisms in blue phosphorescent iridium(III) complexes. Organic Electronics, 2008, 9, 377-384.	2.6	37
178	Real-time probing of Î²-amyloid self-assembly and inhibition using fluorescence self-quenching between neighbouring dyes. Molecular BioSystems, 2014, 10, 34-44.	2.9	37
179	Organic photovoltaics for simultaneous energy harvesting and high-speed MIMO optical wireless communications. Light: Science and Applications, 2021, 10, 41.	16.6	37
180	Luminescence efficiency and time dependence in a high electron affinity conjugated polymer. Synthetic Metals, 1996, 76, 15-18.	3.9	36

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181	Protonation effects on the photophysical properties of poly(2,5-pyridine diyl). Journal of Chemical Physics, 1998, 109, 10372-10378.	3.0	36
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