Jason D Slinker

List of Publications by Citations

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65 papers	4,492 citations	32 h-index	67 g-index
70 ext. papers	4,821 ext. citations	8.9 avg, IF	5.06 L-index

#	Paper	IF	Citations
65	Single-Layer Electroluminescent Devices and Photoinduced Hydrogen Production from an Ionic Iridium(III) Complex. *Chemistry of Materials*, **2005**, 17, 5712-5719	9.6	706
64	Efficient yellow electroluminescence from a single layer of a cyclometalated iridium complex. *Journal of the American Chemical Society*, **2004**, 126, 2763-7	16.4	595
63	Electroluminescent devices from ionic transition metal complexes. *Journal of Materials Chemistry*, **2007**, 17, 2976-2988		324
62	Solid-state electroluminescent devices based on transition metal complexes. *Chemical Communications*, **2003**, 2392-9	5.8	311
61	DNA charge transport over 34 nm. *Nature Chemistry*, **2011**, 3, 228-33	17.6	268
60	Direct measurement of the electric-field distribution in a light-emitting electrochemical cell. *Nature Materials*, **2007**, 6, 894-9	27	256
59	Improved Turn-on Times of Iridium Electroluminescent Devices by Use of Ionic Liquids. *Chemistry of Materials*, **2005**, 17, 3187-3190	9.6	190
58	Electrospun light-emitting nanofibers. *Nano Letters*, **2007**, 7, 458-63	11.5	125
57	Orientation of pentacene films using surface alignment layers and its influence on thin-film transistor characteristics. *Applied Physics Letters*, **2001**, 79, 1300-1302	3.4	118
56	Green electroluminescence from an ionic iridium complex. *Applied Physics Letters*, **2005**, 86, 173506	3.4	116
55	Identification of a quenching species in ruthenium tris-bipyridine electroluminescent devices. *Journal of the American Chemical Society*, **2006**, 128, 7761-4	16.4	102
54	Improved Turn-On Times of Light-Emitting Electrochemical Cells. *Chemistry of Materials*, **2008**, 20, 388-396	9.6	100
53	Addition of a Phosphorescent Dopant in Electroluminescent Devices from Ionic Transition Metal Complexes. *Chemistry of Materials*, **2005**, 17, 6114-6116	9.6	87
52	Multiplexed DNA-modified electrodes. *Journal of the American Chemical Society*, **2010**, 132, 2769-74	16.4	71
51	Photophysical properties of tris(bipyridyl)ruthenium(II) thin films and devices. *Physical Chemistry Chemical Physics*, **2003**, 5, 2706-2709	3.6	70
50	Blue light emitting electrochemical cells incorporating triazole-based luminophores. *Journal of Materials Chemistry C*, **2013**, 1, 7440	7.1	65
49	Improving light-emitting electrochemical cells with ionic additives. *Applied Physics Letters*, **2013**, 102, 203305	3.4	61

48	Organic light-emitting devices with laminated top contacts. *Applied Physics Letters*, **2004**, 84, 3675-3677	3.4	55
47	High stability light-emitting electrochemical cells from cationic iridium complexes with bulky 5,5? substituents. *Journal of Materials Chemistry*, **2011**, 21, 18083		51
46	Enhanced Luminance of Electrochemical Cells with a Rationally Designed Ionic Iridium Complex and an Ionic Additive. *ACS Applied Materials & Interfaces*, **2016**, 8, 8888-92	9.5	50
45	DNA as a molecular wire: distance and sequence dependence. *Analytical Chemistry*, **2013**, 85, 8634-40	7.8	48
44	Contact issues in electroluminescent devices from ruthenium complexes. *Applied Physics Letters*, **2004**, 84, 807-809	3.4	48
43	Operating mechanism of light-emitting electrochemical cells. *Nature Materials*, **2008**, 7, 168-168	27	44
42	Direct 120V, 60Hz operation of an organic light emitting device. *Journal of Applied Physics*, **2006**, 99, 074502	2.5	44
41	Sensitive and selective real-time electrochemical monitoring of DNA repair. *Biosensors and Bioelectronics*, **2014**, 54, 541-6	11.8	41
40	A light-emitting memristor. *Organic Electronics*, **2010**, 11, 150-153	3.5	38
39	Cationic iridium(III) complexes bearing ancillary 2,5-dipyridyl(pyrazine) (2,5-dpp) and 2,2Ţ5Ţ,2ŢŦterpyridine (2,5-tpy) ligands: synthesis, optoelectronic characterization and light-emitting electrochemical cells. *Dalton Transactions*, **2014**, 43, 13672-82	4.3	37
38	Observation of intermediate-range order in a nominally amorphous molecular semiconductor film. *Journal of Materials Chemistry*, **2007**, 17, 1458-1461		37
37	Bright and Effectual Perovskite Light-Emitting Electrochemical Cells Leveraging Ionic Additives. *ACS Energy Letters*, **2019**, 4, 2922-2928	20.1	35
36	In situ identification of a luminescence quencher in an organic light-emitting device. *Journal of Materials Chemistry*, **2007**, 17, 76-81		35
35	Influence of Lithium Additives in Small Molecule Light-Emitting Electrochemical Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 16776-82	9.5	32
34	Discerning the Impact of a Lithium Salt Additive in Thin-Film Light-Emitting Electrochemical Cells with Electrochemical Impedance Spectroscopy. *Langmuir*, **2016**, 32, 9468-74	4	32
33	Cascaded light-emitting devices based on a ruthenium complex. *Applied Physics Letters*, **2004**, 84, 4980-4982	3.4	31
32	Phenyl substitution of cationic bis-cyclometalated iridium(iii) complexes for iTMC-LEECs. *Dalton Transactions*, **2016**, 45, 17807-17823	4.3	30
31	Ionic Organic Small Molecules as Hosts for Light-Emitting Electrochemical Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 24699-24707	9.5	22

30	Temperature dependence of electrochemical DNA charge transport: influence of a mismatch. *Analytical Chemistry*, **2013**, 85, 1462-7	7.8	19
29	The Electronic Influence of Abasic Sites in DNA. *Journal of the American Chemical Society*, **2015**, 137, 11150-5	16.4	16
28	Reconfigurable Perovskite LEC: Effects of Ionic Additives and Dual Function Devices. *Advanced Optical Materials*, **2021**, 9, 2001715	8.1	16
27	Enhanced Operational Stability of Perovskite Light-Emitting Electrochemical Cells Leveraging Ionic Additives. *Advanced Optical Materials*, **2020**, 8, 2000226	8.1	15
26	Circumventing Dedicated Electrolytes in Light-Emitting Electrochemical Cells. *Advanced Functional Materials*, **2020**, 30, 1906715	15.6	15
25	The Effect of the Dielectric Constant and Ion Mobility in Light-Emitting Electrochemical Cells. *ChemPlusChem*, **2018**, 83, 266-273	2.8	15
24	Understanding the superior temperature stability of iridium light-emitting electrochemical cells. *Materials Horizons*, **2017**, 4, 657-664	14.4	14
23	Electrochemistry of DNA Monolayers Modified With a Perylenediimide Base Surrogate. *Journal of Physical Chemistry C*, **2014**, 118, 29084-29090	3.8	14
22	Luminescent properties of a 3,5-diphenylpyrazole bridged Pt(ii) dimer. *Dalton Transactions*, **2019**, 48, 9684-9691	4.3	11
21	Enhanced emission from fcc fluorescent photonic crystals. *Physical Review B*, **2008**, 77,	3.3	11
20	Temperature dependence of tris(2,2?-bipyridine) ruthenium (II) device characteristics. *Journal of Applied Physics*, **2004**, 95, 4381-4384	2.5	11
19	Using DNA devices to track anticancer drug activity. *Biosensors and Bioelectronics*, **2016**, 80, 647-653	11.8	9
18	Following anticancer drug activity in cell lysates with DNA devices. *Biosensors and Bioelectronics*, **2018**, 119, 1-9	11.8	9
17	Solvent Toolkit for Electrochemical Characterization of Hybrid Perovskite Films. *Analytical Chemistry*, **2017**, 89, 9649-9653	7.8	9
16	Electrical characterization of ZnO-coated nanospring ensemble by impedance spectroscopy: probing the effect of thermal annealing. *Nanotechnology*, **2019**, 30, 234006	3.4	6
15	Application of Electrochemical Devices to Characterize the Dynamic Actions of Helicases on DNA. *Analytical Chemistry*, **2018**, 90, 2178-2185	7.8	5
14	Bright Single-Layer Perovskite Host–Ionic Guest Light-Emitting Electrochemical Cells. *Chemistry of Materials*, **2021**, 33, 1201-1212	9.6	5
13	Pure Blue Electroluminescence by Differentiated Ion Motion in a Single Layer Perovskite Device. *Advanced Functional Materials*, **2021**, 31, 2102006	15.6	4

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12	Detecting Attomolar DNA-Damaging Anticancer Drug Activity in Cell Lysates with Electrochemical DNA Devices. *ACS Sensors*, **2021**, 6, 2622-2629	9.2	2
11	Enhancement of the Electrical Properties of DNA Molecular Wires through Incorporation of Perylenediimide DNA Base Surrogates. *ChemPlusChem*, **2019**, 84, 416-419	2.8	1
10	Perovskite Light-Emitting Electrochemical Cells: Enhanced Operational Stability of Perovskite Light-Emitting Electrochemical Cells Leveraging Ionic Additives (Advanced Optical Materials 13/2020). *Advanced Optical Materials*, **2020**, 8, 2070052	8.1	1
9	The Use of Additives in Ionic Transition Metal Complex Light-Emitting Electrochemical Cells **2017**, 93-119		1
8	Leveraging a Stable Perovskite Composite to Satisfy Blue Electroluminescence Standards **2021**, 3, 1357-1362		1
7	Single-Particle Spectroscopy as a Versatile Tool to Explore Lower-Dimensional Structures of Inorganic Perovskites. *ACS Energy Letters*,3695-3708	20.1	1
6	Electrochemical characterization of halide perovskites: Stability & doping. *Materials Today Advances* , **2022**, 13, 100213	7.4	0
5	Measuring light-emitting diodes with a scanner for radiant flux and colour characterization. *Measurement Science and Technology*, **2013**, 24, 055101	2	
4	Degradation in iTMC OLEDs. *Materials Research Society Symposia Proceedings*, **2007**, 1029, 1		
3	Degradation of Ru(left({{text{bpy}}} right)_3^{2 + })-based OLEDs. *Materials Research Society Symposia Proceedings*, **2004**, 846, DD11.11.1		
2	Reconfigurable Perovskite LEC: Effects of Ionic Additives and Dual Function Devices (Advanced Optical Materials 3/2021). *Advanced Optical Materials*, **2021**, 9, 2170010	8.1	
1	Pure Blue Electroluminescence: Pure Blue Electroluminescence by Differentiated Ion Motion in a Single Layer Perovskite Device (Adv. Funct. Mater. 31/2021). *Advanced Functional Materials*, **2021**, 31, 2170228	15.6	