

# Peter I Djurovich

## List of Publications by Citations

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70  
papers

13,362  
citations

40  
h-index

77  
g-index

77  
ext. papers

14,586  
ext. citations

8.9  
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6.08  
L-index

#	Paper	IF	Citations
70	Highly phosphorescent bis-cyclometalated iridium complexes: synthesis, photophysical characterization, and use in organic light emitting diodes. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4304-12	16.4	2408
69	Synthesis and characterization of phosphorescent cyclometalated iridium complexes. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 1704-11	5.1	1113
68	Synthesis and characterization of facial and meridional tris-cyclometalated iridium(III) complexes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 7377-87	16.4	1097
67	Endothermic energy transfer: A mechanism for generating very efficient high-energy phosphorescent emission in organic materials. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2082-2084	3.4	953
66	Synthesis and characterization of phosphorescent cyclometalated platinum complexes. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 3055-66	5.1	927
65	Blue and near-UV phosphorescence from iridium complexes with cyclometalated pyrazolyl or N-heterocyclic carbene ligands. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 7992-8003	5.1	573
64	Deep blue phosphorescent organic light-emitting diodes with very high brightness and efficiency. <i>Nature Materials</i> , <b>2016</b> , 15, 92-8	27	539
63	Temperature dependence of blue phosphorescent cyclometalated Ir(III) complexes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9813-22	16.4	482
62	Ultrahigh Energy Gap Hosts in Deep Blue Organic Electrophosphorescent Devices. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4743-4747	9.6	450
61	High efficiency single dopant white electrophosphorescent light emitting diodes. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1171-1178	3.6	450
60	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , <b>2018</b> , 9, 586-593	9.4	311
59	Phosphorescence versus thermally activated delayed fluorescence. Controlling singlet-triplet splitting in brightly emitting and sublimable Cu(I) compounds. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16032-8	16.4	305
58	Eliminating nonradiative decay in Cu(I) emitters: >99% quantum efficiency and microsecond lifetime. <i>Science</i> , <b>2019</b> , 363, 601-606	33.3	271
57	A codeposition route to CuI-pyridine coordination complexes for organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3700-3	16.4	227
56	Understanding and predicting the orientation of heteroleptic phosphors in organic light-emitting materials. <i>Nature Materials</i> , <b>2016</b> , 15, 85-91	27	181
55	Cyclometalated iridium and platinum complexes as singlet oxygen photosensitizers: quantum yields, quenching rates and correlation with electronic structures. <i>Dalton Transactions</i> , <b>2007</b> , 3763-70	4.3	159
54	Cyclometalated Ir complexes in polymer organic light-emitting devices. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 1570-1575	2.5	156

53	Molecularly doped polymer light emitting diodes utilizing phosphorescent Pt(II) and Ir(III) dopants. <i>Organic Electronics</i> , <b>2001</b> , 2, 53-62	3.5	155
52	A Zero-Dimensional Organic Seesaw-Shaped Tin Bromide with Highly Efficient Strongly Stokes-Shifted Deep-Red Emission. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1021-1024	16.4	152
51	Highly Efficient Photo- and Electroluminescence from Two-Coordinate Cu(I) Complexes Featuring Nonconventional N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3576-3588	16.4	143
50	Synthesis and characterization of phosphorescent three-coordinate Cu(I)-NHC complexes. <i>Chemical Communications</i> , <b>2010</b> , 46, 6696-8	5.8	134
49	Blue Phosphorescent Zwitterionic Iridium(III) Complexes Featuring Weakly Coordinating nido-Carborane-Based Ligands. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15758-15765	16.4	128
48	Photophysical properties of cyclometalated Pt(II) complexes: counterintuitive blue shift in emission with an expanded ligand system. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12403-15	5.1	126
47	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44579-44583	9.5	125
46	Cu <sub>4</sub> I <sub>4</sub> clusters supported by P <sup>+</sup> N-type ligands: new structures with tunable emission colors. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 230-6	5.1	123
45	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13181-13184	16.4	120
44	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 2374-2378	9.6	115
43	Emitter Orientation as a Key Parameter in Organic Light-Emitting Diodes. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4.3	111
42	"Quick-Silver" from a Systematic Study of Highly Luminescent, Two-Coordinate, d Coinage Metal Complexes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8616-8626	16.4	102
41	Structural and Photophysical Studies of Phosphorescent Three-Coordinate Copper(I) Complexes Supported by an N-Heterocyclic Carbene Ligand. <i>Organometallics</i> , <b>2012</b> , 31, 7983-7993	3.8	102
40	Control of emission colour with N-heterocyclic carbene (NHC) ligands in phosphorescent three-coordinate Cu(I) complexes. <i>Chemical Communications</i> , <b>2014</b> , 50, 7176-9	5.8	101
39	Vibronic Structure in Room Temperature Photoluminescence of the Halide Perovskite CsBiBr. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 42-45	5.1	95
38	High efficiency organic photovoltaic cells based on a vapor deposited squaraine donor. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 233304	3.4	94
37	A paradigm for blue- or red-shifted absorption of small molecules depending on the site of extension. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16247-55	16.4	76
36	Green Emitting Single-Crystalline Bulk Assembly of Metal Halide Clusters with Near-Unity Photoluminescence Quantum Efficiency. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1579-1583	20.1	73

35	Symmetry-Breaking Charge Transfer of Visible Light Absorbing Systems: Zinc Dipyrrins. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 21834-21845	3.8	72
34	Phosphorescent 2-, 3- and 4-coordinate cyclic (alkyl)(amino)carbene (CAAC) Cu(I) complexes. <i>Chemical Communications</i> , <b>2017</b> , 53, 9008-9011	5.8	55
33	Organic Photovoltaics Using Tetraphenylbenzoporphyrin Complexes as Donor Layers. <i>Advanced Materials</i> , <b>2009</b> , 21, 1517-1520	24	48
32	Dependence of Phosphorescent Emitter Orientation on Deposition Technique in Doped Organic Films. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 712-715	9.6	45
31	A Zero-Dimensional Organic Seesaw-Shaped Tin Bromide with Highly Efficient Strongly Stokes-Shifted Deep-Red Emission. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1033-1036	3.6	44
30	Charge transport and exciton dissociation in organic solar cells consisting of dipolar donors mixed with C70. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	40
29	Synthesis and characterization of phosphorescent two-coordinate copper(I) complexes bearing diamidocarbene ligands. <i>Dalton Transactions</i> , <b>2017</b> , 46, 745-752	4.3	36
28	Enhancement of the Luminescent Efficiency in Carbene-Au-Aryl Complexes by the Restriction of Renner-Teller Distortion and Bond Rotation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6158-6172	16.4	35
27	Properties of Fluorenyl Silanes in Organic Light Emitting Diodes. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1724-1731	17.81	33
26	Anionic order and band gap engineering in vacancy ordered triple perovskites. <i>Chemical Communications</i> , <b>2019</b> , 55, 3164-3167	5.8	28
25	Understanding molecular fragmentation in blue phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , <b>2019</b> , 64, 15-21	3.5	27
24	Fine-Tuning Electronic Properties of Luminescent Pt(II) Complexes via Vertex-Differentiated Coordination of Sterically Invariant Carborane-Based Ligands. <i>Organometallics</i> , <b>2018</b> , 37, 3122-3131	3.8	26
23	In Situ Observation of Degradation by Ligand Substitution in Small-Molecule Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6578-6584	9.6	25
22	Phenanthro[9,10-d]triazole and imidazole derivatives: high triplet energy host materials for blue phosphorescent organic light emitting devices. <i>Materials Horizons</i> , <b>2019</b> , 6, 1179-1186	14.4	24
21	Boron Dipyridylmethene (DIPYR) Dyes: Shedding Light on Pyridine-Based Chromophores. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 7215-7222	4.2	19
20	Blue Emissive fac/mer-Iridium (III) NHC Carbene Complexes and their Application in OLEDs. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001994	8.1	15
19	Tuning State Energies for Narrow Blue Emission in Tetradentate Pyridyl-Carbazole Platinum Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12348-12357	5.1	14
18	Highly Efficient Deep Blue Luminescence of 2-Coordinate Coinage Metal Complexes Bearing Bulky NHC Benzimidazolyl Carbene. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 401	5	14

17	A quinoidal bis-phenalenyl-fused porphyrin with supramolecular organization and broad near-infrared absorption. <i>Chemical Communications</i> , <b>2016</b> , 52, 1949-52	5.8	14
16	Synthesis and characterization of phosphorescent three-coordinate copper(I) complexes bearing bis(amino)cyclopropenylidene carbene (BAC). <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 246-251	2.7	9
15	A molecular boron cluster-based chromophore with dual emission. <i>Dalton Transactions</i> , <b>2020</b> , 49, 16245-16251	4.6	15
14	A Luminescent Two-Coordinate Au Bimetallic Complex with a Tandem-Carbene Structure: A Molecular Design for the Enhancement of TADF Radiative Decay Rate. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6191-6197	4.8	7
13	Tuning the Photophysical and Electrochemical Properties of Aza-Boron-Dipyridylmethenes for Fluorescent Blue OLEDs. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101175	15.6	6
12	Toward rational design of TADF two-coordinate coinage metal complexes: understanding the relationship between natural transition orbital overlap and photophysical properties. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 4674-4683	7.1	6
11	Vibrational Sum Frequency Generation Study of the Interference Effect on a Thin Film of 4,4'-Bis(-carbazolyl)-1,1'-biphenyl (CBP) and Its Interfacial Orientation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26515-26524	9.5	5
10	22.1: Invited Paper: Color Tuning Dopants for Electrophosphorescent Devices: Toward Efficient Blue Phosphorescence from Metal Complexes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2005</b> , 36, 1058	0.5	5
9	Molecular Alignment of Homoleptic Iridium Phosphors in Organic Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102882	24	5
8	Tetra-Aza-Pentacenes by means of a One-Pot Friedländer Synthesis. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1472-1475	4.8	5
7	Molecular dynamics of four-coordinate carbene-Cu(I) complexes employing tris(pyrazolyl)borate ligands. <i>Polyhedron</i> , <b>2020</b> , 180, 114381	2.7	4
6	Cyclometallated Organoiridium Complexes as Emitters in Electrophosphorescent Devices	131-161	1
5	Symmetric Double Spiro Wide Energy Gap Hosts for Blue Phosphorescent OLED Devices. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2101530	8.1	1
4	Influence of Dimethyl Sulfoxide on the Structural Topology during Crystallization of Pbl. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16799-16803	5.1	1
3	ORGANIC LIGHT EMITTING DEVICES. <i>Materials and Energy</i> , <b>2016</b> , 195-241		1
2	Synthesis and Characterization of Zinc(II) Complexes Bearing 4-Acridinol and 1-Phenazinol Ligands. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 866-871	5.1	1
1	Phosphorescent monometallic and bimetallic two-coordinate Au(I) complexes with N-heterocyclic carbene and aryl ligands. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 517, 120188	2.7	0