

# Etienne Baranoff

## List of Publications by Citations

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84  
papers

5,758  
citations

39  
h-index

75  
g-index

88  
ext. papers

6,122  
ext. citations

7  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
84	Tris(2-(1H-pyrazol-1-yl)pyridine)cobalt(III) as p-type dopant for organic semiconductors and its application in highly efficient solid-state dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18042-5	16.4	630
83	Dye-sensitized solar cells: A brief overview. <i>Solar Energy</i> , <b>2011</b> , 85, 1172-1178	6.8	615
82	A cobalt complex redox shuttle for dye-sensitized solar cells with high open-circuit potentials. <i>Nature Communications</i> , <b>2012</b> , 3, 631	17.4	498
81	From ruthenium(II) to iridium(III): 15 years of triads based on bis-terpyridine complexes. <i>Chemical Society Reviews</i> , <b>2004</b> , 33, 147-55	58.5	313
80	Panchromatic engineering for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 842-854	9.74	294
79	Cyclometallated iridium complexes for conversion of light into electricity and electricity into light. <i>Journal of Organometallic Chemistry</i> , <b>2009</b> , 694, 2661-2670	2.3	183
78	Subnanometer Ga <sub>2</sub> O <sub>3</sub> tunnelling layer by atomic layer deposition to achieve 1.1 V open-circuit potential in dye-sensitized solar cells. <i>Nano Letters</i> , <b>2012</b> , 12, 3941-7	11.5	175
77	Flrpic: archetypal blue phosphorescent emitter for electroluminescence. <i>Dalton Transactions</i> , <b>2015</b> , 44, 8318-29	4.3	148
76	Acid-induced degradation of phosphorescent dopants for OLEDs and its application to the synthesis of tris-heteroleptic iridium(III) bis-cyclometalated complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 215-24	5.1	147
75	Recent progress in luminescent liquid crystal materials: design, properties and application for linearly polarised emission. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7993-8005	7.1	116
74	Near-UV to red-emitting charged bis-cyclometallated iridium(III) complexes for light-emitting electrochemical cells. <i>Dalton Transactions</i> , <b>2012</b> , 41, 180-91	4.3	113
73	Influence of halogen atoms on a homologous series of bis-cyclometalated iridium(III) complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 799-811	5.1	97
72	Charged bis-cyclometalated iridium(III) complexes with carbene-based ancillary ligands. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10292-305	5.1	96
71	Panchromatic response in solid-state dye-sensitized solar cells containing phosphorescent energy relay dyes. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9277-80	16.4	89
70	Cyclometalated iridium(III) complexes based on phenyl-imidazole ligand. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 451-62	5.1	87
69	Structure-property relationships based on Hammett constants in cyclometalated iridium(III) complexes: their application to the design of a fluorine-free FlrPic-like emitter. <i>Dalton Transactions</i> , <b>2014</b> , 43, 5667-79	4.3	85
68	White-light phosphorescence emission from a single molecule: application to OLED. <i>Chemical Communications</i> , <b>2009</b> , 4672-4	5.8	85

67	Stable Green Electroluminescence from an Iridium Tris-Heteroleptic Ionic Complex. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1896-1903	9.6	80
66	A deep-blue emitting charged bis-cyclometallated iridium(III) complex for light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 58-68	7.1	77
65	A new generation of platinum and iodine free efficient dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10631-9	3.6	77
64	Sublimation not an innocent technique: a case of bis-cyclometalated iridium emitter for OLED. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 6575-7	5.1	72
63	A triad based on an iridium(III) bisterpyridine complex leading to a charge-separated state with a 120-micros lifetime at room temperature. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 6592-606	4.8	71
62	Photochemical or thermal chelate exchange in the ruthenium coordination sphere of complexes of the Ru(phen)(2)L family (L = diimine or dinitrile ligands). <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 1215-22	5.1	70
61	Correlating the Lifetime and Fluorine Content of Iridium(III) Emitters in Green Light-Emitting Electrochemical Cells. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3391-3397	9.6	67
60	Cyclometallated iridium complexes as sensitizers for dye-sensitized solar cells. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 496-9	4.5	66
59	Dyads containing iridium(III) bis-terpyridine as photoactive center: synthesis and electron transfer study. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 3057-66	5.1	66
58	Bright blue phosphorescence from cationic bis-cyclometalated iridium(III) isocyanide complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2263-71	5.1	64
57	Nanocomposites Containing Neutral Blue Emitting Cyclometalated Iridium(III) Emitters for Oxygen Sensing. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2330-2338	9.6	60
56	Influence of Donor Groups of Organic Dye on Open-Circuit Voltage in Solid-State Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 1572-1578	3.8	59
55	Room-temperature combinatorial screening of cyclometallated iridium(III) complexes for a step towards molecular control of colour purity. <i>Dalton Transactions</i> , <b>2011</b> , 40, 6860-7	4.3	56
54	Enhanced light harvesting in mesoporous TiO <sub>2</sub> /P3HT hybrid solar cells using a porphyrin dye. <i>Chemical Communications</i> , <b>2011</b> , 47, 8244-6	5.8	55
53	Efficient orange light-emitting electrochemical cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19264		54
52	Fluorine-free blue-green emitters for light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5793-5804	7.1	52
51	Incorporating multiple energy relay dyes in liquid dye-sensitized solar cells. <i>ChemPhysChem</i> , <b>2011</b> , 12, 657-61	3.2	50
50	Luminescent Iridium(III)-Terpyridine Complexes: Interplay of Ligand Centred and Charge Transfer States. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 1312-1318	2.3	48

49	Tuning the photophysical properties of cationic iridium(III) complexes containing cyclometallated 1-(2,4-difluorophenyl)-1H-pyrazole through functionalized 2,2'-bipyridine ligands: blue but not blue enough. <i>Dalton Transactions</i> , <b>2013</b> , 42, 1073-87	4.3	46
48	Direct observation of reversible electronic energy transfer involving an iridium center. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2677-82	5.1	43
47	Low Current Density Driving Leads to Efficient, Bright and Stable Green Electroluminescence. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1338-1343	21.8	42
46	Phosphorescent energy relay dye for improved light harvesting response in liquid dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 434	35.4	42
45	A bright tetranuclear iridium(III) complex. <i>Chemical Communications</i> , <b>2011</b> , 47, 2799-801	5.8	39
44	Novel luminescent Ir(III) dyes for developing highly sensitive oxygen sensing films. <i>Talanta</i> , <b>2010</b> , 82, 620-6	6.2	38
43	An inconvenient influence of iridium(III) isomer on OLED efficiency. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8914-8	4.3	34
42	Blue-emitting cationic iridium(III) complexes featuring pyridylpyrimidine ligands and their use in sky-blue electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9638-9650	7.1	32
41	Ultrafast Relaxation Dynamics of Osmium Polypyridine Complexes in Solution. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 15958-15966	3.8	32
40	From Photoinduced Charge Separation to Light-driven Molecular Machines. <i>Structure and Bonding</i> , <b>2006</b> , 41-78	0.9	26
39	Tuning the oxidation potential of 2-phenylpyridine-based iridium complexes to improve the performance of bluish and white OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3738-3746	7.1	25
38	Influence of integrated alkyl-chain length on the mesogenic and photophysical properties of platinum-based metallomesogens and their application for polarized white OLEDs. <i>Dyes and Pigments</i> , <b>2016</b> , 133, 238-247	4.6	24
37	Linearly polarized electroluminescence from ionic iridium complex-based metallomesogens: the effect of aliphatic-chain on their photophysical properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3298-3309 <sup>23</sup>	7.1	23
36	Ligand-centred fluorescence and electronic relaxation cascade at vibrational time scales in transition-metal complexes. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4475-80	6.4	23
35	Blue and Green Phosphorescent Liquid-Crystalline Iridium Complexes with High Hole Mobility. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1618-21	4.8	21
34	Dual-emitting Langmuir-Blodgett film-based organic light-emitting diodes. <i>Langmuir</i> , <b>2010</b> , 26, 11461-8	4	21
33	Convenient synthesis of functionalized 4,4'-disubstituted-2,2'-bipyridine with extended $\pi$ -system for dye-sensitized solar cell applications. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 6161-6165	2	19
32	A photochromic system based on photochemical or thermal chelate exchange on Ru(phen) <sub>2</sub> L <sub>2</sub> <sup>+</sup> (L = diimine or dinitrile ligand). <i>Chemical Communications</i> , <b>2000</b> , 1935-1936	5.8	19

31	Tris-heteroleptic Iridium Complexes Based on Cyclometalated Ligands with Different Cores. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11565-11576	5.1	18
30	Copper(I) complexes as alternatives to iridium(III) complexes for highly efficient oxygen sensing. <i>Chemical Communications</i> , <b>2015</b> , 51, 11401-4	5.8	18
29	A simple approach to room temperature phosphorescent allenylidene complexes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8030-3	16.4	18
28	An ester-substituted iridium complex for efficient vacuum-processed organic light-emitting diodes. <i>ChemSusChem</i> , <b>2009</b> , 2, 305-8	8.3	18
27	A pseudo-rotaxane based on an iridium(III)Copper(I) dyad. <i>New Journal of Chemistry</i> , <b>2004</b> , 28, 1091-1095	3.6	17
26	High performance optical oxygen sensors based on iridium complexes exhibiting interchromophore energy shuttling. <i>Analyst, The</i> , <b>2016</b> , 141, 3090-7	5	17
25	High performance optical sensing nanocomposites for low and ultra-low oxygen concentrations using phase-shift measurements. <i>Analyst, The</i> , <b>2013</b> , 138, 4607-17	5	16
24	Convenient synthesis of tridentate 2,6-di(pyrazol-1-yl)-4-carboxypyridine and tetradentate 6,6'-di(pyrazol-1-yl)-4,4'-dicarboxy-2,2'-bipyridine ligands. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 584-587	2	16
23	Ruthenium complexes with tridentate ligands for dye-sensitized solar cells. <i>Polyhedron</i> , <b>2014</b> , 82, 37-49	2.7	15
22	Bis(pyrazol-1-yl)methane as Non-Chromophoric Ancillary Ligand for Charged Bis-Cyclometalated Iridium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 3209-3215	2.3	15
21	Influence of the donor size in panchromatic DEEA dyes bearing 5-phenyl-5H-dibenzo-[b,f]azepine units for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2016</b> , 127, 204-212	4.6	13
20	A Triphenylamine/Bis(terpyridine)IrIII Dyad for the Assembly of Charge-Separation Constructs with Improved Performances. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 5189-5198	2.3	13
19	Light intensity effects on photoinduced charge separation parameters in a molecular triad based on an Iridium(III) bis(terpyridine) unit. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1943-9	3.2	12
18	Panchromatic Response in Solid-State Dye-Sensitized Solar Cells Containing Phosphorescent Energy Relay Dyes. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 9441-9444	3.6	11
17	Iridium-based emitters containing pendant triphenylene moieties for bluish-green OLEDs with improved efficiency upon thermal annealing. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1773-1780	3.6	10
16	Charged cyclometalated iridium(III) complexes that have large electrochemical gap. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 383, 316-319	2.7	10
15	Ultrafast Intersystem Crossing and Structural Dynamics of [Pt(ppy)(EBupz)]. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14643-14653	5.1	10
14	Synthesis and properties of novel near-infrared dye based on BODIPY and diketopyrrolopyrrole units. <i>Materials Letters</i> , <b>2015</b> , 139, 130-133	3.3	8

13	Molecular ionic junction for enhanced electronic charge transfer. <i>Langmuir</i> , <b>2009</b> , 25, 79-83	4	8
12	A novel donor moiety 9,9,9,9-tetramethyl-9,9,10,10-tetrahydro-2,10-biacridine via one-pot C-H arylation for TADF emitters and their application in highly efficient solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8971-8979	7.1	6
11	Iridium Complexes as Photoactive Center for Light Harvesting and Solar Cell Applications <b>2017</b> , 655-681		4
10	Synthesis and Characterization of a Series of Bis-homoleptic Cycloruthenates with Terdentate Ligands as a Family of Panchromatic Dyes. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9903-9912	5.1	4
9	Organometallic chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , <b>2012</b> , 108, 71		4
8	UV-visible Absorption Study of the Self-association of Non-ionic Chromonic Triphenylenes TP6EOnM (n = 2, 3, 4) in Dilute Aqueous Solutions: Impact of Chain Length on Aggregation. <i>Chimia</i> , <b>2015</b> , 69, 520-3	1.3	3
7	A Simple Approach to Room Temperature Phosphorescent Allenylidene Complexes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8154-8157	3.6	3
6	Capturing the interplay between spin-orbit coupling and non-Condon effects on the photoabsorption spectra of Ru and Os dyes. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6564-6570	7.1	2
5	First-Row Transition Metal Complexes for the Conversion of Light into Electricity and Electricity into Light. <i>Green Chemistry and Sustainable Technology</i> , <b>2015</b> , 61-90	1.1	2
4	A triphenylene-based small molecule compatibiliser using incompatible pendent chains. <i>RSC Advances</i> , <b>2016</b> , 6, 10655-10661	3.7	1
3	Organometallic chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , <b>2013</b> , 109, 207		1
2	Materials, Devices, Fabrication, Characterization, and Applications for OLED Illumination and Display. <i>Advances in Materials Science and Engineering</i> , <b>2012</b> , 2012, 1-2	1.5	1
1	Soft Materials and Soft Salts Based on Iridium Complexes <b>2017</b> , 111-126		