

Valery N Kozhevnikov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

2,709
citations

26
h-index

51
g-index

75
ext. papers

2,944
ext. citations

4.8
avg, IF

5.03
L-index

#	Paper	IF	Citations
67	Comparative analysis of self-aggregation of liquid crystalline Pt(II) complexes in solution and in neat films. <i>Journal of Organometallic Chemistry</i> , 2021 , 938, 121750	2.3	1
66	Extended ligand conjugation and dinuclearity as a route to efficient platinum-based near-infrared (NIR) triplet emitters and solution-processed NIR-OLEDs. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 127-135	7.1	19
65	Benzannulation via the use of 1,2,4-triazines extends aromatic system of cyclometallated Pt(II) complexes to achieve candle light electroluminescence. <i>Dyes and Pigments</i> , 2021 , 184, 108857	4.6	0
64	The role of dinuclearity in promoting thermally activated delayed fluorescence (TADF) in cyclometallated, N [^] C [^] N-coordinated platinum(II) complexes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10276-10287	7.1	3
63	Exceptionally fast radiative decay of a dinuclear platinum complex through thermally activated delayed fluorescence. <i>Chemical Science</i> , 2021 , 12, 6172-6180	9.4	14
62	Non-Stereogenic Dinuclear Ir(III) Complex with a Molecular Rack Design to Afford Efficient Thermally Enhanced Red Emission. <i>Inorganic Chemistry</i> , 2021 , 60, 1780-1789	5.1	12
61	Halide-Enhanced Spin-Orbit Coupling and the Phosphorescence Rate in Ir(III) Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 642-650	5.1	7
60	Cyclometalation Geometry of the Bridging Ligand as a Tuning Tool for Photophysics of Dinuclear Ir(III) Complexes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 20531-20537	3.8	0
59	A flexible topo-optical sensing technology with ultra-high contrast. <i>Nature Communications</i> , 2020 , 11, 1448	17.4	11
58	Near Infrared Phosphorescent Dinuclear Ir(III) Complex Exhibiting Unusually Slow Intersystem Crossing and Dual Emissive Behavior. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5849-5855	6.4	16
57	Unusual dual-emissive heteroleptic iridium complexes incorporating TADF cyclometalating ligands. <i>Dalton Transactions</i> , 2020 , 49, 2190-2208	4.3	13
56	Exploring the Subtle Effect of Aliphatic Ring Size on Minor Actinide-Extraction Properties and Metal Ion Speciation in Bis-1,2,4-Triazine Ligands. <i>Chemistry - A European Journal</i> , 2020 , 26, 428-437	4.8	15
55	Tuning the Aggregation of N [^] N [^] C Pt(II) Complexes by Varying the Aliphatic Side Chain and Auxiliary Halide Ligand: ¹ H and ¹⁹⁵ Pt NMR Investigation. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4122-4128	2.3	7
54	Red Light-Emitting Electrochemical Cells Employing Pyridazine-Bridged Cationic Diiridium Complexes. <i>ECS Journal of Solid State Science and Technology</i> , 2019 , 8, R84-R87	2	5
53	Dinuclear Design of a Pt(II) Complex Affording Highly Efficient Red Emission: Photophysical Properties and Application in Solution-Processible OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8182-8193	9.5	43
52	An efficient heterodinuclear Ir(III)/Pt(II) complex: synthesis, photophysics and application in light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10672-10682	7.1	13
51	Unusually Fast Phosphorescence from Ir(III) Complexes via Dinuclear Molecular Design. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7015-7024	6.4	19

50	Iridium(III) complexes of 1,2,4-triazines as potential bioorthogonal reagents: metal coordination facilitates luminogenic reaction with strained cyclooctynes. <i>Chemical Communications</i> , 2019 , 55, 14283-14286	5.8	10
49	Pyridazine-bridged cationic diiridium complexes as potential dual-mode bioimaging probes. <i>RSC Advances</i> , 2018 , 8, 9670-9676	3.7	11
48	1,2,4-Triazines in the Synthesis of Bipyridine Bisphenolate ONNO Ligands and Their Highly Luminescent Tetradentate Pt(II) Complexes for Solution-Processable OLEDs. <i>Inorganic Chemistry</i> , 2018 , 57, 3825-3832	5.1	23
47	Rigidly linking cyclometallated Ir(III) and Pt(II) centres: an efficient approach to strongly absorbing and highly phosphorescent red emitters. <i>Chemical Communications</i> , 2017 , 53, 2729-2732	5.8	34
46	Measuring Self-Association of Pt Complexes by ¹⁹⁵ Pt NMR. <i>ChemistrySelect</i> , 2017 , 2, 3353-3355	1.8	5
45	Mesomorphism and Photophysics of Some Metallomesogens Based on Hexasubstituted 2,2':6',2''-Terpyridines. <i>Chemistry - A European Journal</i> , 2016 , 22, 8215-33	4.8	26
44	When two are better than one: bright phosphorescence from non-stereogenic dinuclear iridium(III) complexes. <i>Dalton Transactions</i> , 2016 , 45, 6949-62	4.3	59
43	Hydrophilic sulfonated bis-1,2,4-triazine ligands are highly effective reagents for separating actinides(III) from lanthanides(III) selective formation of aqueous actinide complexes. <i>Chemical Science</i> , 2015 , 6, 4812-4821	9.4	84
42	Green-blue light-emitting platinum(II) complexes of cyclometallated 4,6-difluoro-1,3-dipyridylbenzenes showing mesophase organisation. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10177-10187	7.1	16
41	Ditopic bis-terdentate cyclometallating ligands and their highly luminescent dinuclear iridium(III) complexes. <i>Chemical Communications</i> , 2014 , 50, 6831-4	5.8	61
40	Morphology-driven absorption and emission colour changes in liquid-crystalline, cyclometallated platinum(II) complexes. <i>Chemical Communications</i> , 2014 , 50, 14191-3	5.8	24
39	Highly luminescent dinuclear platinum(II) complexes incorporating bis-cyclometallating pyrazine-based ligands: a versatile approach to efficient red phosphors. <i>Inorganic Chemistry</i> , 2013 , 52, 10992-1003	5.1	83
38	Cyclometallated Ir(III) Complexes for High-Efficiency Solution-Processable Blue PhOLEDs. <i>Chemistry of Materials</i> , 2013 , 25, 2352-2358	9.6	102
37	Phosphorescence vs fluorescence in cyclometallated platinum(II) and iridium(III) complexes of (oligo)thienylpyridines. <i>Inorganic Chemistry</i> , 2011 , 50, 3804-15	5.1	185
36	Emissive metallomesogens based on 2-phenylpyridine complexes of iridium(III). <i>Journal of the American Chemical Society</i> , 2011 , 133, 5248-51	16.4	79
35	Nucleophilic substitution of fluorine atoms in 2,6-difluoro-3-(pyridin-2-yl)benzotrile leading to soluble blue-emitting cyclometallated Ir(III) complexes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5143-8	4.2	37
34	Highly luminescent mixed-metal Pt(II)/Ir(III) complexes: bis-cyclometallation of 4,6-diphenylpyrimidine as a versatile route to rigid multimetallic assemblies. <i>Inorganic Chemistry</i> , 2011 , 50, 6304-13	5.1	74
33	1,2,4-Triazine method of bipyridine ligand synthesis for the preparation of new luminescent Eu(III) complexes. <i>Tetrahedron</i> , 2011 , 67, 597-607	2.4	45

32	Experimental and Theoretical Study of Halogen-Bonded Complexes of DMAP with Di- and Triiodofluorobenzenes. A Complex with a Very Short N⋯I Halogen Bond. <i>Crystal Growth and Design</i> , 2010 , 10, 3710-3720	3.5	74
31	Synthesis of cyclometallated platinum complexes with substituted thienylpyridines and detailed characterization of their luminescence properties. <i>Inorganic Chemistry</i> , 2009 , 48, 4179-89	5.1	70
30	Chapter 6.3 (2007): Triazines, Tetrazines and Fused Ring Polyaza Systems. <i>Progress in Heterocyclic Chemistry</i> , 2009 , 415-434	0.8	2
29	Synthesis, Mesomorphism, and Luminescent Properties of Calamitic 2-Phenylpyridines and Their Complexes with Platinum(II). <i>Chemistry of Materials</i> , 2009 , 21, 3871-3882	9.6	98
28	Chapter 6.3 (2008): Triazines, Tetrazines and Fused Ring Polyaza Systems. <i>Progress in Heterocyclic Chemistry</i> , 2009 , 21, 435-454	0.8	1
27	Mesomorphic 1,2,4-triazine-4-oxides in the synthesis of new heterocyclic liquid crystals. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1703		18
26	From 1,2,4-triazines towards substituted pyridines and their cyclometallated Pt complexes. <i>Tetrahedron Letters</i> , 2008 , 49, 4096-4098	2	38
25	Phosphorescent, terdentate, liquid-crystalline complexes of platinum(II): stimulus-dependent emission. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6286-9	16.4	264
24	Phosphorescent, Terdentate, Liquid-Crystalline Complexes of Platinum(II): Stimulus-Dependent Emission. <i>Angewandte Chemie</i> , 2008 , 120, 6382-6385	3.6	50
23	Facile synthesis of 6-aryl-3-pyridyl-1,2,4-triazines as a key step toward highly fluorescent 5-substituted bipyridines and their Zn(II) and Ru(II) complexes. <i>Tetrahedron</i> , 2008 , 64, 8963-8973	2.4	82
22	Liquid-crystalline terpyridines. <i>Chemical Communications</i> , 2007 , 3826-8	5.8	21
21	Consecutive nucleophilic substitution and aza Diels-Alder reaction: an efficient strategy to functionalized 2,2'-bipyridines. <i>Tetrahedron Letters</i> , 2006 , 47, 869-872	2	37
20	5-Aryl-2,2'-bipyridines as tunable fluorophores. <i>Tetrahedron Letters</i> , 2006 , 47, 7025-7029	2	37
19	White-light emission from an assembly comprising luminescent iridium and europium complexes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1806-10	16.4	338
18	Aminomethyl bi- and terpyridines as luminescent probes for Zn ²⁺ ions. <i>Mendeleev Communications</i> , 2005 , 15, 8-9	1.9	7
17	Strong emission increase of a dicarboxyterpyridene europium (III) complex in the presence of citrate and hydrogen peroxide. <i>Inorganica Chimica Acta</i> , 2005 , 358, 2445-2448	2.7	17
16	An efficient route to 5,5'-diaryl-2,2':6,2'-terpyridines through 2,6-bis(1,2,4-triazin-3-yl)pyridines. <i>Tetrahedron Letters</i> , 2005 , 46, 1521-1523	2	33
15	An efficient route to 5-(hetero)aryl-2,4'- and 2,2'-bipyridines through readily available 3-pyridyl-1,2,4-triazines. <i>Tetrahedron Letters</i> , 2005 , 46, 1791-1793	2	67

14	Synthesis, structure and luminescence of ruthenium complexes with 6-cyano-2,2'-bipyridines. <i>Mendeleev Communications</i> , 2005 , 15, 6-8	1.9	1
13	Sensitization of Nanocrystalline TiO ₂ Films with Carboxy-Functionalized Bis(indolyl)maleimide. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 3443-3449	3.2	11
12	White-Light Emission from an Assembly Comprising Luminescent Iridium and Europium Complexes. <i>Angewandte Chemie</i> , 2005 , 117, 1840-1844	3.6	50
11	From 3-chloromethyl-1,2,4-triazine 4-oxides to various substituted pyridines and 1,2,4-triazines. <i>Russian Chemical Bulletin</i> , 2005 , 54, 2187-2196	1.7	10
10	Synthesis of Functionalized Fluorescent Europium(III) Terpyridyl Chelates. <i>Synthesis</i> , 2003 , 2003, 2400-2404	4.0	21
9	A versatile strategy for the synthesis of functionalized 2,2'-bi- and 2,2':6',2' '-terpyridines via their 1,2,4-triazine analogues. <i>Journal of Organic Chemistry</i> , 2003 , 68, 2882-8	4.2	122
8	A new route to 6,6'-dicyano-2,2':6',2' '-terpyridines and their complexes with Ni(II). <i>Tetrahedron Letters</i> , 2002 , 43, 4923-4925	2	7
7	Transformations of 1,2,4-Triazines in Reactions with Nucleophiles: V. SNH and ipso-Substitution in the Synthesis and Transformations of 5-Cyano-1,2,4-triazines. <i>Russian Journal of Organic Chemistry</i> , 2002 , 38, 744-750	0.7	24
6	Synthesis of functionalised bipyridines by sequential nucleophilic substitution of hydrogen and cycloaddition in 1,2,4-triazine rings. <i>Mendeleev Communications</i> , 2002 , 12, 30-31	1.9	9
5	¹ H- and ¹³ C-NMR Investigations on s-Adduct Formation of 1,2,4-Triazine 4-Oxides and 3-Chloro-6-phenyl-1,2,4-triazine with Liquid Ammonia and Alkylamines. <i>Heterocycles</i> , 2001 , 55, 127	0.8	6
4	The amidine rearrangement in 5-amino-6-aryl-1,2,4-triazine-4-oxides initiated by hydroxylamine. <i>Tetrahedron Letters</i> , 2000 , 41, 7379-7382	2	9
3	Nucleophilic substitution of hydrogen in the reaction of 1,2,4-triazin-4-oxides with cyanamide. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1122-1124	1.7	4
2	[1,5]Sigmatropic shift of hydrogen in amination of 3-pyrrolidino-1,2,4-triazine 4-oxide. <i>Tetrahedron Letters</i> , 1999 , 40, 6099-6100	2	12
1	A general method for the synthesis of 1,2,4-triazine 4-oxides. <i>Mendeleev Communications</i> , 1997 , 7, 238	1.9	12