

# Xingqiang LÃ<sup>1/4</sup>

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2252634/publications.pdf>

Version: 2024-02-01

56  
papers

989  
citations

361413

20  
h-index

477307

29  
g-index

56  
all docs

56  
docs citations

56  
times ranked

922  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion-Induced Self-Assembly of Luminescent and Magnetic Homoleptic Cyclic Tetranuclear Ln <sub>4</sub> (Salen) <sub>4</sub> and Ln <sub>4</sub> (Salen) <sub>2</sub> Complexes (Ln = Nd, Yb, Y) <i>J. Mater. Chem. C</i> , 2014, 2, 1000-1006	10.78	4314
2	Near-Infrared Luminescent PMMA-Supported Metallopolymers Based on Zn <sup>II</sup> -Nd Schiff-Base Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 5950-5960.	4.0	58
3	Heteronuclear trimetallic and 1D polymeric 3d-4f Schiff base complexes with OCN <sup>-</sup> and SCN <sup>-</sup> ligands. <i>Dalton Transactions</i> , 2009, , 9595.	3.3	51
4	Near-infrared (NIR) luminescent homoleptic lanthanide Salen complexes Ln <sub>4</sub> (Salen) <sub>4</sub> (Ln = Nd, Yb or Y) <i>J. Mater. Chem. C</i> , 2014, 2, 1000-1006	10.78	4314
5	Efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on heteroleptic iridium(III) complexes with post-modification effects of intramolecular hydrogen bonding or BF <sub>2</sub> -chelation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10589-10596.	5.5	46
6	Efficient polymer light-emitting diodes (PLEDs) based on chiral [Pt(C <sup>N</sup> )(N <sup>O</sup> )] complexes with near-infrared (NIR) luminescence and circularly polarized (CP) light. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13743-13747.	5.5	42
7	New transparent flexible nanopaper as ultraviolet filter based on red emissive Eu(III) nanofibrillated cellulose. <i>Optical Materials</i> , 2017, 73, 747-753.	3.6	38
8	Asymmetric Tris-Heteroleptic Cyclometalated Phosphorescent Iridium(III) Complexes: An Emerging Class of Metallophosphors. <i>Accounts of Materials Research</i> , 2022, 3, 830-842.	11.7	36
9	Design and Synthesis of Fluorescent Nanocelluloses for Sensing and Bioimaging Applications. <i>ChemPlusChem</i> , 2020, 85, 487-502.	2.8	34
10	PMMA-supported hybrid materials doped with highly near-infrared (NIR) luminescent complexes [Zn(L1)(Py)Ln(L2) <sub>3</sub> ] (Ln = Nd, Yb or Er). <i>New Journal of Chemistry</i> , 2015, 39, 3698-3707.	2.8	31
11	Near-infrared (NIR) luminescent Zn(II)-Ln(III)-containing (Ln = Nd, Yb or Er) Wolf Type II metallopolymer hybrid materials. <i>Synthetic Metals</i> , 2015, 199, 128-138.	3.9	31
12	Near-infrared (NIR) luminescent metallopolymers based on Ln <sub>4</sub> (Salen) <sub>4</sub> nanoclusters (Ln = Nd or Yb). <i>Journal of Materials Chemistry C</i> , 2014, 2, 1489.	5.5	30
13	The slow magnetic relaxation regulated by the coordination, configuration and intermolecular dipolar field in two mononuclear Dy <sup>III</sup> single-molecule magnets (SMMs). <i>Dalton Transactions</i> , 2018, 47, 12393-12405.	3.3	27
14	The first example of Tb <sup>3+</sup> -containing metallopolymer-type hybrid materials with efficient and high color-purity green luminescence. <i>Dalton Transactions</i> , 2015, 44, 6229-6241.	3.3	24
15	An efficient and weak efficiency-roll-off near-infrared (NIR) polymer light-emitting diode (PLED) based on a PVK-supported Zn <sup>2+</sup> -Yb <sup>3+</sup> -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4114-4121.	5.5	23
16	Efficient and low-efficiency-roll-off near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on an asymmetric binuclear iridium(III)-complex. <i>Journal of Luminescence</i> , 2019, 209, 427-434.	3.1	23
17	Red to white polymer light-emitting diode (PLED) based on Eu <sup>3+</sup> -Zn <sup>2+</sup> -Gd <sup>3+</sup> -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4780-4787.	5.5	22
18	Single-component Eu <sup>3+</sup> -Tb <sup>3+</sup> -Gd <sup>3+</sup> -grafted polymer with ultra-high color rendering index white-light emission. <i>RSC Advances</i> , 2017, 7, 6762-6771.	3.6	21

#	ARTICLE	IF	CITATIONS
19	Efficient and high colour-purity green-light polymer light-emitting diodes (PLEDs) based on a PVK-supported Tb <sup>3+</sup> -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9021-9027.	5.5	21
20	Efficient White Polymer Light-Emitting Diode (WPLED) Based on Single-Component Eu <sup>3+</sup> -Containing Metallopolymer. <i>Advanced Optical Materials</i> , 2019, 7, 1900776.	7.3	21
21	Cellulose nanopaper with controllable optical haze and high efficiency ultraviolet blocking for flexible optoelectronics. <i>Cellulose</i> , 2019, 26, 2201-2208.	4.9	20
22	Irreversible Solvatochromic Zn-Nanopaper Based on Zn(II) Terpyridine Assembly and Oxidized Nanofibrillated Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11614-11623.	6.7	18
23	Water soluble Ln(III)-based metallopolymer with AIE-active and ACQ-effect lanthanide behaviors for detection of nanomolar pyrophosphate. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 999-1007.	7.8	18
24	Efficient near-infrared (NIR) polymer light-emitting diode (PLED) based on the binuclear [(C <sup>N</sup> ) <sub>2</sub> Ir-(bis-N <sup>O</sup> )-Ir(C <sup>N</sup> ) <sub>2</sub> ] complex with aggregation-induced phosphorescent enhancement (AIPE) character. <i>Journal of Luminescence</i> , 2020, 218, 116847.	3.1	17
25	Two efficient near-infrared (NIR) luminescent [Ir(C <sup>N</sup> ) <sub>2</sub> (N <sup>O</sup> )]-characteristic complexes with 8-hydroxyquinoline (8-Hq) as the ancillary ligand. <i>Inorganic Chemistry Communication</i> , 2019, 101, 69-73.	3.9	15
26	High-performance near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on bipolar Ir( <sup>scp</sup> ) <sub>iii</sub> -complex-grafted polymers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 173-180.	5.5	14
27	ESIPT-capable Eu <sup>3+</sup> -metallopolymer with colour-tunable emission for selective visual sensing of Zn <sup>2+</sup> ion. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1090-1096.	5.5	14
28	Tetraphenylethylene-based Eu <sup>3+</sup> -metallopolymers with aggregation-enhanced white emission for self-calibrating temperature sensing and white light-emitting diodes (WLEDs). <i>Journal of Materials Chemistry C</i> , 2022, 10, 7586-7593.	5.5	14
29	Two {ZnII2Dy <sup>III</sup> } complexes supported by monophenoxido/dicarboxylate bridges with multiple relaxation processes: carboxylato ancillary ligand-controlled magnetic anisotropy in square antiprismatic Dy <sup>III</sup> species. <i>Dalton Transactions</i> , 2018, 47, 9482-9491.	3.3	13
30	Singe-component Zn <sup>2+</sup> -Eu <sup>3+</sup> -Tb <sup>3+</sup> -containing and Zn <sup>2+</sup> -Eu <sup>3+</sup> -Tb <sup>3+</sup> -Gd <sup>3+</sup> -containing metallopolymer-type materials with ultra-high color rendering index white-light. <i>Dyes and Pigments</i> , 2017, 141, 137-147.	3.7	11
31	Color-tunable to direct white-light and application for white polymer light-emitting diode (WPLED) of organo-Eu <sup>3+</sup> - and organo-Tb <sup>3+</sup> -doping polymer. <i>Journal of Luminescence</i> , 2017, 192, 1089-1095.	3.1	11
32	OAc <sup>+</sup> -Dependent Self-Assembly of Luminescent Homoleptic [Ln <sub>9</sub> (OH-Salen) <sub>5</sub> (OH) <sub>4</sub> (OAc) <sub>10</sub> ] and {[Ln <sub>6</sub> (OH-MeO-Salen) <sub>5</sub> (OH)(OAc) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>3</sub> ·(OAc) <sub>3</sub> } Complexes. <i>Crystal Growth and Design</i> , 2018, 18, 1020-1029.	3.0	11
33	Zn <sub>2</sub> -Yb-Grafted and star-shaped metallopolymers for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2018, 6, 8950-8957.	5.5	11
34	C <sub>1</sub> -Symmetric [Ir(C <sup>N</sup> 1)(C <sup>N</sup> 2)(O <sup>O</sup> )] <sup>+</sup> -Tris <sup>+</sup> -Heteroleptic Iridium(III)-Complexes with the Preferentially Horizontal Orientation for High-Performance Near-Infrared Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100117.	7.3	11
35	Efficient white polymer light-emitting diodes (WPLEDs) based on double emitting layers of a PVK:Eu( <sup>scp</sup> ) <sub>iii</sub> -complex and Alq <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , 2019, 7, 4800-4807.	5.5	10
36	PNBE-supported metallopolymer-type optical materials through grafting of Zn-Ln (Ln=Nd, Yb or Er) benzimidazole complex monomers with efficient NIR luminescence. <i>Optical Materials</i> , 2017, 64, 106-113.	3.6	9

#	ARTICLE	IF	CITATIONS
37	Experimental and theoretical interpretation of the magnetic behavior of two Dy( <sup>iii</sup> ) single-ion magnets constructed through $\beta^2$ -diketonate ligands with different substituent groups ( $\text{Cl}^{\ominus}\text{OCH}_3$ ). RSC Advances, 2018, 8, 29513-29525.	3.6	9
38	Near-Infrared (NIR) polymer light-emitting diode (PLED) based on organo-Yb <sup>3+</sup> -complex-grafted poly(N-vinylcarbazole) (PVK). Journal of Luminescence, 2018, 204, 30-35.	3.1	8
39	PNBE-supported metallopolymer-type hybrid materials through grafting of Ln <sup>3</sup> -benzimidazole-arrayed (Ln=Nd, Yb or Er) complex monomers with efficient NIR luminescence. Inorganic Chemistry Communication, 2017, 76, 30-32.	3.9	7
40	Single-component white polymer light-emitting diode (WPLED) based on a binary tris-pyrazolonate-Sm-complex. Journal of Luminescence, 2020, 221, 117054.	3.1	7
41	C <sub>1</sub> -Symmetric [Ir(C <sup>N</sup> 1)(C <sup>N</sup> 2)(N <sup>O</sup> )]-tris-heteroleptic Ir(III)-complexes with a horizontal orientation for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). Journal of Materials Chemistry C, 2021, 9, 8337-8344.	5.5	7
42	Designing a mononuclear Dy <sup>III</sup> single-molecule magnet (SMM) by using a N,O,N,O-based multichelating Schiff base ligand and a $\beta^2$ -diketonate ligand. New Journal of Chemistry, 2019, 43, 454-462.	2.8	6
43	Efficient white polymer light-emitting diodes (WPLEDs) based on covalent-grafting of [Zn <sub>2</sub> (MP) <sub>3</sub> (OAc)] into PVK. Chemical Science, 2020, 11, 2640-2646.	7.4	5
44	All-Solution-Processed Multilayered White Polymer Light-Emitting Diodes (WPLEDs) Based on Cross-Linked [Ir(4-vb-PBI) <sub>2</sub> (acac)]. ACS Applied Materials & Interfaces, 2021, 13, 11096-11107.	8.0	4
45	Covalently-bonded grafting of [Ln <sup>3</sup> (Benzimidazole) <sub>4</sub> ]-arrayed (Ln=Tb, Nd, Yb or Er) complex monomers into PNBE (poly(norbornene)) with highly luminous color-purity green-light or efficient NIR luminescence. Optical Materials, 2017, 69, 158-163.	3.6	3
46	Efficient and exclusively NIR-emitting ( $\lambda_{\text{em}} = 780 \text{ nm}$ ) [Ir(C <sup>N</sup> ) <sub>2</sub> (O <sup>O</sup> )]-heteroleptic complexes with $\beta^2$ -diketonate- or pyrazolonate-typed O <sup>O</sup> -chelate ancillary. Journal of Luminescence, 2020, 220, 116983.	3.1	3
47	Ternary complex [Sm(acac) <sub>3</sub> (5-Br-2,2'-bpy)] for the solution-processed white polymer light-emitting diode (WPLED). Optical Materials, 2020, 107, 109936.	3.6	3
48	Color-tunable white-light of binary tris- $\beta^2$ -diketonate-(Dy <sup>3+</sup> , Gd <sup>3+</sup> ) complexesâ€™ blend under single wavelength excitation. Inorganic Chemistry Communication, 2020, 113, 107814.	3.9	3
49	Geometrically isomeric [Ir(iqbt)(ppy)(hpa)] complexes with differential molecule orientations for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). Journal of Materials Chemistry C, 2021, 9, 12068-12072.	5.5	3
50	C <sub>1</sub> -Symmetrical [Ir(C <sup>N</sup> <sub>1</sub> )(C <sup>N</sup> <sub>2</sub> )(N <sup>O</sup> )]-tris-heteroleptic Ir( <sup>iii</sup> )-complexes with one strong N <sup>O</sup> -ancillary $\sigma$ -donor for efficient all-solution-processed near-infrared (NIR) polymer light-emitting diodes (PLEDs). Journal of Materials Chemistry C, 2022, 10, 3178-3187.	5.5	3
51	Smooth color tuning of polymer and Eu <sup>3+</sup> -metallopolymer via post-modification effects of BF <sub>2</sub> -chelation. Journal of Luminescence, 2021, 231, 117790.	3.1	2
52	Eu <sup>3+</sup> -to-Cr <sup>3+</sup> energy transfer for the improved Cr <sup>3+</sup> -characteristic near-infrared (NIR) phosphorescence in the Cr(III)-Eu(III)-Salen complex. Inorganic Chemistry Communication, 2021, 132, 108811.	3.9	2
53	Controlling emitting dipole orientations by N <sup>O</sup> -ancillary electronic effects of [Ir(C <sup>N</sup> ) <sub>2</sub> (N <sup>O</sup> )]-heteroleptic Ir( <sup>iii</sup> )-complexes towards efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). Journal of Materials Chemistry C, 2021, 9, 16751-16761.	5.5	2
54	Efficient all-solution-processing deep-red polymer light-emitting diodes (PLEDs) based on [Ir(dpqx) <sub>2</sub> (N <sup>O</sup> )]-heteroleptic complexes with asymmetric N <sup>O</sup> -ancillary $\sigma$ -donors. Journal of Luminescence, 2021, 232, 117843.	3.1	1

#	ARTICLE	IF	CITATIONS
55	Efficient all-solution-processed near-infrared (NIR) polymer light-emitting diode (PLED) based on the [Ir(C^N1)2(C^N2)]-heteroleptic Ir(III)-complex [Ir(iqbt)2(Br-ppy)]. Journal of Luminescence, 2021, 231, 117770.	3.1	1
56	Single-component white-light-emitting Eu3+-metallopolymer for near-ultraviolet white light-emitting diode (n-UV-WLED). Journal of Luminescence, 2021, 233, 117897.	3.1	1