

CITATION REPORT

List of articles citing

Phosphorescent dyes for organic light-emitting diodes

DOI: 10.1002/chem.200601272

Chemistry - A European Journal, 2007, 13, 380-95.

Source: <https://exaly.com/paper-pdf/42579101/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 727 | Luminescent organometallic poly(aryleneethynylene)s: functional properties towards implications in molecular optoelectronics. 2007 , 4495-510 | | 198 |
| 726 | Color tuning associated with heteroleptic cyclometalated Ir(III) complexes: influence of the ancillary ligand. 2007 , 1881-90 | | 105 |
| 725 | Luminescent platinum(II) complexes containing isoquinolinyl indazolate ligands: synthetic reaction pathway and photophysical properties. <i>Inorganic Chemistry</i> , 2007 , 46, 7064-74 | 5.1 | 77 |
| 724 | Electrophosphorescent homo- and heteroleptic copper(I) complexes prepared from various bis-phosphine ligands. 2007 , 3077-9 | | 149 |
| 723 | Selective low-temperature syntheses of facial and meridional tris-cyclometalated iridium(III) complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 7800-9 | 5.1 | 77 |
| 722 | Blue-emitting platinum(II) complexes bearing both pyridylpyrazolate chelate and bridging pyrazolate ligands: synthesis, structures, and photophysical properties. <i>Inorganic Chemistry</i> , 2007 , 46, 11202-12 | 5.1 | 102 |
| 721 | Strategic design and synthesis of osmium(II) complexes bearing a single pyridyl azolate pi-chromophore: achieving high-efficiency blue phosphorescence by localized excitation. <i>Inorganic Chemistry</i> , 2007 , 46, 10276-86 | 5.1 | 57 |
| 720 | Ambient-temperature metal-to-ligand charge-transfer phosphorescence facilitated by triarylboron: Bnpa and its metal complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 10965-7 | 5.1 | 108 |
| 719 | Phosphorescent Dyes for Organic Light-Emitting Diodes. 2007 , 38, no | | |
| 718 | Blue-emitting heteroleptic iridium(III) complexes suitable for high-efficiency phosphorescent OLEDs. 2007 , 46, 2418-21 | | 377 |
| 717 | Blue-Emitting Heteroleptic Iridium(III) Complexes Suitable for High-Efficiency Phosphorescent OLEDs. 2007 , 119, 2470-2473 | | 69 |
| 716 | New Family of Ruthenium-Dye- Sensitized Nanocrystalline TiO ₂ Solar Cells with a High Solar-Energy-Conversion Efficiency. 2007 , 17, 2964-2974 | | 65 |
| 715 | A Tris-Cyclometalated Iridium(III) Complex of 2-(5,5-Dioxido-dibenzo-thiophen-3-yl)pyridine: Synthesis, Structural, Redox and Photophysical Properties. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4808-4814 | 2.3 | 23 |
| 714 | Probing Pb ²⁺ cation via the iridium based phosphorescent dye. 2007 , 26, 4886-4892 | | 48 |
| 713 | Phosphorescence decay time measurements using intensity correlation spectroscopy. 2007 , 82, 175-83 | | 1 |
| 712 | Osmium complexes with tridentate 6-pyrazol-3-yl 2,2'-bipyridine ligands: coarse tuning of phosphorescence from the red to the near-infrared region. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 155-63 | 4.5 | 25 |
| 711 | Iridium-complex-functionalized Fe ₃ O ₄ /SiO ₂ core/shell nanoparticles: a facile three-in-one system in magnetic resonance imaging, luminescence imaging, and photodynamic therapy. 2008 , 4, 218-24 | | 216 |

| | | | |
|-----|---|-----|-----|
| 710 | Design and Synthesis of Phosphorescent Iridium Containing Dendrimers for Potential Applications in Organic Light-Emitting Diodes. 2008 , 209, 1931-1941 | | 15 |
| 709 | Cationic bis-cyclometallated iridium(III) phenanthroline complexes with pendant fluorenyl substituents: synthesis, redox, photophysical properties and light-emitting cells. <i>Chemistry - A European Journal</i> , 2008 , 14, 933-43 | 4.8 | 102 |
| 708 | Phosphorescent iridium(III) complexes with nonconjugated cyclometalated ligands. <i>Chemistry - A European Journal</i> , 2008 , 14, 5423-34 | 4.8 | 81 |
| 707 | Theoretical Studies on [Ru(bpy) ₂ (NN)] ²⁺ [NN = Hydrazone and Azine]: Ground- and Excited-State Geometries, Electronic Structures, Absorptions, and Phosphorescence Mechanisms. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 1268-1276 | 2.3 | 9 |
| 706 | Spectroscopic and Computational Study on New Blue Emitting ReL(CO) ₃ Cl Complexes Containing Pyridylimidazo[1,5-a]pyridine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3587-3591 | 2.3 | 57 |
| 705 | Structural and Spectroscopic Properties of New Copper(I) Complexes with 1,1,1-Tris(diphenylphosphanylmethyl)ethane and Heterocyclic Thiolates. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 5029-5037 | 2.3 | 20 |
| 704 | Benzimidazole/amine-based compounds capable of ambipolar transport for application in single-layer blue-emitting OLEDs and as hosts for phosphorescent emitters. 2008 , 47, 581-5 | | 260 |
| 703 | Highly efficient blue-emitting iridium(III) carbene complexes and phosphorescent OLEDs. 2008 , 47, 4542-5 | | 358 |
| 702 | Rational Design of Chelating Phosphine Functionalized Os(II) Emitters and Fabrication of Orange Polymer Light-Emitting Diodes Using Solution Process. 2008 , 18, 183-194 | | 43 |
| 701 | A Multifunctional Iridium-Carbazoyl Orange Phosphor for High-Performance Two-Element WOLED Exploiting Exciton-Managed Fluorescence/Phosphorescence. 2008 , 18, 928-937 | | 241 |
| 700 | Electrophosphorescent Polyfluorenes Containing Osmium Complexes in the Conjugated Backbone. 2008 , 18, 1430-1439 | | 82 |
| 699 | High Efficiency and Small Roll-Off Electrophosphorescence from a New Iridium Complex with Well-Matched Energy Levels. 2008 , 20, 774-778 | | 98 |
| 698 | A Phosphorescent Ir(III) Complex for Selective Fluoride Ion Sensing with a High Signal-to-Noise Ratio. 2008 , 20, 3820-3826 | | 142 |
| 697 | Benzimidazole/Amine-Based Compounds Capable of Ambipolar Transport for Application in Single-Layer Blue-Emitting OLEDs and as Hosts for Phosphorescent Emitters. 2008 , 120, 591-595 | | 50 |
| 696 | Highly Efficient Blue-Emitting Iridium(III) Carbene Complexes and Phosphorescent OLEDs. 2008 , 120, 4618-4621 | | 55 |
| 695 | Copper(I) halide complexes with 2,2'-bis(diphenylphosphano)-1,1'-binaphthyl (rac-binap) and heterocyclic thiones. Racemic compounds in chiral and achiral crystal space groups. 2008 , 27, 3029-3035 | | 17 |
| 694 | A yellow-emitting iridium complex for use in phosphorescent multiple-emissive-layer white organic light-emitting diodes with high color quality and efficiency. 2008 , 693, 1518-1527 | | 83 |
| 693 | Synthesis, structures, and properties of iridium(III) bis-cyclometallated complexes containing three-atom chelates. 2008 , 693, 1510-1517 | | 20 |

| | | | |
|-----|---|-----|-----|
| 692 | Triplet state properties of [Os(phen) ₂ (dppene)] ²⁺ in different host materials and host to guest energy transfer in PVK. 2008 , 455, 72-78 | | 11 |
| 691 | Phosphorescence of permercurated osmocene at ambient conditions. 2008 , 11, 669-671 | | 1 |
| 690 | Theoretical studies on the structural and optical properties of a series of Os(II) diimine complexes [Os(N [?] N)(CO) ₂ I ₂] (N [?] N = 2,2'-bipyridine(bpy), 4,4'-di-tert-butyl-2,2'-bipyridine(dbubpy), 4,4'-dichlorine-2,2'-bipyridine(dclbpy)). 2008 , 860, 111-118 | | 1 |
| 689 | Theoretical studies on the optical properties and substituent effects of osmium (II) complexes Os(N [?] N)(CN) ₂ (PH ₃) ₂ . 2008 , 869, 11-18 | | |
| 688 | Tetranuclear zinc complexes of ligands containing the 2-pyridyl oxime chelating site. 2008 , 361, 2677-2682 | | 12 |
| 687 | Highly selective phosphorescent chemosensor for fluoride based on an iridium(III) complex containing arylborane units. <i>Inorganic Chemistry</i> , 2008 , 47, 9256-64 | 5.1 | 207 |
| 686 | Robust tris-cyclometalated iridium(III) phosphors with ligands for effective charge carrier injection/transport: synthesis, redox, photophysical, and electrophosphorescent behavior. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1830-41 | 4.5 | 93 |
| 685 | Pt(II) complexes with 6-(5-trifluoromethyl-pyrazol-3-yl)-2,2'-bipyridine terdentate chelating ligands: synthesis, characterization, and luminescent properties. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 2112-23 | 4.5 | 27 |
| 684 | Mechanism of Ir(ppy) ₂ (N-N) ⁺ (N-N = 2-phenyl-1H-imidazo[4,5-f][1,10]phenanthroline) sensor for F ⁻ , CF ₃ COOH, and CH ₃ COO ⁻ : density functional theory and time-dependent density functional theory studies. 2008 , 112, 8254-62 | | 21 |
| 683 | Synthesis, Characterization, and Photophysical Properties of Luminescent Gallium and Indium Complexes Constructed using Tridentate 6-Azoyl-2,2'-bipyridine Chelates. 2008 , 27, 80-87 | | 23 |
| 682 | Computational and Spectroscopic Studies of New Rhenium(I) Complexes Containing Pyridylimidazo[1,5-a]pyridine Ligands: Charge Transfer and Dual Emission by Fine-Tuning of Excited States. 2008 , 27, 1427-1435 | | 118 |
| 681 | Multisignaling detection of Hg ²⁺ based on a phosphorescent iridium(III) complex. 2008 , 3836-40 | | 98 |
| 680 | Phosphorescent organic light-emitting devices: working principle and iridium based emitter materials. 2008 , 9, 1527-47 | | 144 |
| 679 | Luminescent Bis-(8-hydroxyquinoline) Cadmium Complex Nanorods. 2008 , 8, 564-567 | | 59 |
| 678 | [Pt] ₂ Pb trinuclear systems: impact of the anionic platinum fragment on the lead environment and photoluminescence. <i>Inorganic Chemistry</i> , 2008 , 47, 7703-16 | 5.1 | 44 |
| 677 | Luminescent osmium(II) complexes with functionalized 2-phenylpyridine chelating ligands: preparation, structural analyses, and photophysical properties. <i>Inorganic Chemistry</i> , 2008 , 47, 3307-17 | 5.1 | 32 |
| 676 | Preparations and photophysical properties of fused and nonfused thienyl bridged MM (M = Mo or W) quadruply bonded complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 3415-25 | 5.1 | 29 |
| 675 | New triscyclometalated iridium complexes for applications in phosphorescent light-emitting diodes. 2008 , 158, 95-103 | | 5 |

| | | | |
|-----|--|-----|-----|
| 674 | Aggregation-induced phosphorescent emission (AIPE) of iridium(III) complexes. 2008 , 685-7 | | 234 |
| 673 | 1,2,3-Triazolyl-pyridine derivatives as chelating ligands for blue iridium(III) complexes. Photophysics and electroluminescent devices. 2008 , 18, 4579 | | 103 |
| 672 | Luminescent complexes beyond the platinum group: the d10 avenue. 2008 , 2185-93 | | 529 |
| 671 | Emissive Pt(II) complexes bearing both cyclometalated ligand and 2-pyridyl hexafluoropropoxide ancillary chelate. 2008 , 6901-11 | | 51 |
| 670 | Organic photochemistry. 2008 , 104, 349 | | 5 |
| 669 | Aluminium-salen luminophores as new hole-blocking materials for phosphorescent OLEDs. 2008 , 1818-20 | | 42 |
| 668 | Syntheses and phosphorescent properties of blue emissive iridium complexes with tridentate pyrazolyl ligands. <i>Inorganic Chemistry</i> , 2008 , 47, 7154-65 | 5.1 | 132 |
| 667 | Theoretical studies of blue-emitting iridium complexes with different ancillary ligands. 2008 , 112, 8387-93 | | 90 |
| 666 | Reactions of the (2-pyridyl) pyrrolide platinum(II) complex driven by sterically encumbered chelation: a model for the reversible attack of alcohol at the coordinated carbon monoxide. <i>Inorganic Chemistry</i> , 2008 , 47, 5154-61 | 5.1 | 22 |
| 665 | Blue Light-Emitting Bisorthometalated Ir(III) Complex: Origin of Blue Emission and Application in Electrophosphorescent Devices. 2008 , 112, 4743-4747 | | 25 |
| 664 | A novel solution-processible heterodinuclear Al(III)/Ir(III) complex for host-dopant assembly OLEDs. <i>Inorganic Chemistry</i> , 2008 , 47, 6566-8 | 5.1 | 29 |
| 663 | Zinc(II) Bisterpyridine Complexes: The Influence of the Cation on the π -Conjugation between Terpyridine and the Lateral Phenyl Substituent. 2008 , 112, 18651-18660 | | 37 |
| 662 | Cationic iridium(III) complexes for phosphorescence staining in the cytoplasm of living cells. 2008 , 2115-7 | | 231 |
| 661 | High-efficiency and color-stable white organic light-emitting devices based on sky blue electrofluorescence and orange electrophosphorescence. 2008 , 92, 083301 | | 110 |
| 660 | Multifunctional metallophosphors with anti-triplet-triplet annihilation properties for solution-processable electroluminescent devices. 2008 , 18, 1799 | | 106 |
| 659 | Light Emitting Materials for Organic Electronics. 2008 , 21, 357-362 | | |
| 658 | Organic light-emitting diodes using 3,6-difluoro-2,5,7,7,8,8-hexacyanoquinodimethane as p-type dopant. 2009 , 94, 073507 | | 26 |
| 657 | THEORETICAL COMPUTATIONAL STUDIES ON ELECTRONIC STRUCTURES, SPECTROSCOPIC PROPERTIES AND NITROGEN HETEROATOM EFFECT OF A SPECIES OF ASYMMETRICAL DIIMINE LIGAND PLATINUM(II) COMPLEXES. 2009 , 08, 603-613 | | 4 |

| | | | |
|-----|---|-----|-----|
| 656 | Room-Temperature Pure Blue-Emitting Phosphorescent Multinuclear Cu(I)-Based Emitters. 2009 , 156, J174 | | 18 |
| 655 | Efficient electroluminescence from a perylene diimide fluorophore obtained from a simple solution processed OLED. 2009 , 42, 105106 | | 43 |
| 654 | Symmetric Versus Unsymmetric Platinum(II) Bis(aryleneethynylene)s with Distinct Electronic Structures for Optical Power Limiting/Optical Transparency Trade-off Optimization. 2009 , 19, 531-544 | | 122 |
| 653 | Rational Design of Charge-Neutral, Near-Infrared-Emitting Osmium(II) Complexes and OLED Fabrication. 2009 , 19, 2639-2647 | | 127 |
| 652 | Highly Emitting Neutral Dinuclear Rhenium Complexes as Phosphorescent Dopants for Electroluminescent Devices. 2009 , 19, 2607-2614 | | 84 |
| 651 | En Route to High External Quantum Efficiency (~12%), Organic True-Blue-Light-Emitting Diodes Employing Novel Design of Iridium (III) Phosphors. 2009 , 21, 2221-2225 | | 186 |
| 650 | Electroluminescent Cu-doped CdS Quantum Dots. 2009 , 21, 2916-2920 | | 85 |
| 649 | Recent Developments in the Application of Phosphorescent Iridium(III) Complex Systems. 2009 , 21, 4418-4441 | 640 | |
| 648 | Iridium(III) complexes with sulfonyl and fluorine substituents: synthesis, stereochemistry and effect of functionalisation on their photophysical properties. <i>Chemistry - A European Journal</i> , 2009 , 15, 136-48 | 4.8 | 58 |
| 647 | Cationic heteroleptic cyclometalated iridium complexes with 1-pyridylimidazo[1,5- α]pyridine ligands: exploitation of an efficient intersystem crossing. <i>Chemistry - A European Journal</i> , 2009 , 15, 6415-27 | 4.8 | 57 |
| 646 | Emissive or nonemissive? A theoretical analysis of the phosphorescence efficiencies of cyclometalated platinum(II) complexes. <i>Chemistry - A European Journal</i> , 2009 , 15, 7225-37 | 4.8 | 178 |
| 645 | Synthesis, characterization, and electro-optical properties of Zn(II) complexes with pi-conjugated terpyridine ligands. 2009 , 10, 787-98 | | 44 |
| 644 | Spectroscopic investigation of the ultrafast photoinduced dynamics in pi-conjugated terpyridines. 2009 , 10, 910-9 | | 53 |
| 643 | Detailed Description of the Metal-to-Ligand Charge-Transfer State in Monoterpyridine Ir(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2067-2073 | 2.3 | 4 |
| 642 | Tuning the Emission Color of Iridium(III) Complexes with Ancillary Ligands: A Combined Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2407-2414 | 2.3 | 25 |
| 641 | The Reasons for Ligand-Dependent Quantum Yields and Absorption Spectrum of Four Polypyridylruthenium(II) Complexes with a Tetrazolate-Based Ligand: TDDFT Study. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 4052-4061 | 2.3 | 6 |
| 640 | [Pt(topy)(Htopy)(ONO ₂)] complex (Htopy = 2-p-tolylpyridine) and its analogs: ¹⁹⁵ Pt NMR spectra and fabrication of light-emitting devices. 2009 , 23, 154-160 | | 13 |
| 639 | Theoretical studies on the spectroscopic properties and the substituent effects of pyridyl triazole Os(II) complexes. 2009 , 52, 261-265 | | |

| | | |
|-----|---|---------|
| 638 | Computational studies on the spectroscopic properties of the 2-pyridylpyrazolate-based platinum(II) complexes with modified pyrazolate fragment. 2009 , 109, 308-319 | 6 |
| 637 | Self-assembly of π -conjugated bis(terpyridine) ligands with zinc(II) ions: New metallosupramolecular materials for optoelectronic applications. 2009 , 47, 4083-4098 | 75 |
| 636 | Platinum(II) and copper(I) 1-(2-diphenylphosphino-1-naphthyl) isoquinoline complexes: Synthesis and phosphorescence at ambient conditions. 2009 , 362, 226-228 | 2 |
| 635 | Platinum(II) complexes with spatially encumbered chelates; syntheses, structure and photophysics. 2009 , 362, 4734-4739 | 20 |
| 634 | A highly efficient tris-cyclometalated iridium complex based on phenylphthalazine derivative for organic light-emitting diodes. 2009 , 10, 618-622 | 25 |
| 633 | Synthesis, photophysical and electrophosphorescent properties of mononuclear Pt(II) complexes with arylamine functionalized cyclometalating ligands. 2009 , 694, 737-746 | 31 |
| 632 | Four-coordinate boron compounds derived from 2-(2-pyridyl)phenol ligand as novel hole-blocking materials for phosphorescent OLEDs. 2009 , 694, 1922-1928 | 31 |
| 631 | Novel iridium complex with carboxyl pyridyl ligand for dye-sensitized solar cells: High fluorescence intensity, high electron injection efficiency?. 2009 , 694, 2705-2711 | 82 |
| 630 | Cyclometalated iridium complexes for conversion of light into electricity and electricity into light. 2009 , 694, 2661-2670 | 183 |
| 629 | Synthesis and characterization of cyclometalated iridium(III) complexes containing pyrimidine-based ligands. 2009 , 694, 2757-2769 | 17 |
| 628 | Challenges in organometallic research \square Great opportunity for solar cells and OLEDs. 2009 , 694, 2644-2647 | 38 |
| 627 | Synthesis, photophysical properties, and theoretical studies on pyrrole-containing bromo Re(I) complex. 2009 , 694, 3742-3748 | 63 |
| 626 | Heavy metal organometallic electrophosphors derived from multi-component chromophores. 2009 , 253, 1709-1758 | 564 |
| 625 | Electrochemiluminescence studies of phosphine chelated osmium(II) complexes. 2009 , 12, 378-381 | 11 |
| 624 | Synthesis and X-ray crystal structure of a bis-cyclometalated phosphorescent red-emitting iridium(III) complex. 2009 , 12, 701-703 | 22 |
| 623 | Phosphorescence color tuning by ligand, and substituent effects of multifunctional iridium(III) cyclometalates with 9-arylcarbazole moieties. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 89-103 | 4.5 127 |
| 622 | Different electronic structures and spectroscopic properties of cationic $[M(\text{ppy})_2(\text{N}-\text{N})]^+$ ($M = \text{Rh}, \text{Ir}$; $\text{N}-\text{N} = \text{Hcmbpy}, \text{H2dcbpy}$), a DFT study. 2009 , 11, 6051-9 | 21 |
| 621 | New phenylated polyphenylenes carrying main-chain bipyridyl groups and their complexes with metal ions. 2009 , 51, 17-25 | 4 |

- 620 Synthesis, properties, and live-cell imaging studies of luminescent cyclometalated iridium(III) polypyridine complexes containing two or three biotin pendants. *Inorganic Chemistry*, **2009**, 48, 6011-25^{5.1} 144
- 619 Authentic-blue phosphorescent iridium(III) complexes bearing both hydride and benzyl diphenylphosphine; control of the emission efficiency by ligand coordination geometry. *Inorganic Chemistry*, **2009**, 48, 8164-72 5.1 53
- 618 Probing the excited state properties of the highly phosphorescent Pt(dpyb)Cl compound by high-resolution optical spectroscopy. *Inorganic Chemistry*, **2009**, 48, 11407-14 5.1 58
- 617 Blue light emitting Ir(III) compounds for OLEDs - new insights into ancillary ligand effects on the emitting triplet state. **2009**, 113, 5927-32 138
- 616 Photophysics of heteroleptic iridium(III) complexes of current interest; a closer look on relaxation dynamics. *Inorganic Chemistry*, **2009**, 48, 6501-8 5.1 41
- 615 Efficient synthesis of carbazolyl- and thienyl-substituted beta-diketonates and properties of their red- and green-light-emitting Ir(III) complexes. **2009**, 74, 2718-25 69
- 614 Polymer-based blue electrophosphorescent light-emitting diodes based on a new iridium(III) diazine complex. **2009**, 159, 1178-1182 14
- 613 Functional metallophosphors for effective charge carrier injection/transport: new robust OLED materials with emerging applications. **2009**, 19, 4457 484
- 612 Blue phosphorescent Ir(III) complex with high color purity: fac-tris(2',6'-difluoro-2,3'-bipyridinato-N,C(4'))iridium(III). *Inorganic Chemistry*, **2009**, 48, 1030-7 5.1 179
- 611 Intrachain Electron and Energy Transfers in Metal Diynes and Polyynes of Group 10 Transition Elements Containing Various Carbazole and Fluorene Hybrids. **2009**, 42, 6902-6916 70
- 610 Near-infrared phosphorescent polymeric nanomicelles: efficient optical probes for tumor imaging and detection. **2009**, 1, 1474-81 75
- 609 Novel Re(I) dendrimers: synthesis, characterization and theoretical studies. **2009**, 10592-600 22
- 608 Norbornene-Based Copolymers Containing Platinum Complexes and Bis(carbazolyl)benzene Groups in Their Side-Chains. **2009**, 42, 6855-6864 61
- 607 Blue to true-blue phosphorescent Ir(III) complexes bearing a nonconjugated ancillary phosphine chelate: strategic synthesis, photophysics, and device integration. **2009**, 1, 433-42 62
- 606 Synthesis, structural characterization and photoluminescence properties of rhenium(I) complexes based on bipyridine derivatives with carbazole moieties. **2009**, 10563-9 33
- 605 Blue-emitting Ir(III) phosphors with ancillary 4,6-difluorobenzyl diphenylphosphine based cyclometalate. **2009**, 6472-5 56
- 604 New heteroleptic iridium complexes having one biphenyl-2,2'-diyl and two bipyridyl based ligands. **2009**, 3650-2 17
- 603 Duplicating "sunlight" from simple WOLEDs for lighting applications. **2009**, 3574-6 132

| | | | |
|-----|--|-----|------|
| 602 | Extended structures containing Pt(II)-Tl(I) bonds. Effect of these interactions on the luminescence of cyclometalated Pt(II) compounds. 2009 , 2224-34 | | 57 |
| 601 | A versatile color tuning strategy for iridium(III) and platinum(II) electrophosphors by shifting the charge-transfer states with an electron-deficient core. 2009 , 19, 1872 | | 76 |
| 600 | Polymorphism-induced dual phosphorescent emission from solid-state iridium(III) complex. 2009 , 6476-9 | | 43 |
| 599 | Syntheses and photophysical properties of optical-active blue-phosphorescent iridium complexes bearing asymmetric tridentate ligands. 2009 , 1700-2 | | 50 |
| 598 | Synthesis, characterization, and electroluminescent properties of iridium complex containing 4-phenylbenzoquinoline ligand. 2009 , 159, 2070-2074 | | 6 |
| 597 | Phosphorescent iridium(III) complexes: toward high phosphorescence quantum efficiency through ligand control. 2009 , 1267-82 | | 561 |
| 596 | Injection, transport, absorption and phosphorescence properties of a series of blue-emitting Ir(III) emitters in OLEDs: a DFT and time-dependent DFT study. <i>Inorganic Chemistry</i> , 2009 , 48, 7740-9 | 5.1 | 103 |
| 595 | Effects of Coordination Environments upon Emissive Silver(I) Complexes. 2010 , 56, 24-40 | | 3 |
| 594 | Organometallic Pt(II) and Ir(III) Triplet Emitters for OLED Applications and the Role of Spin-Orbit Coupling: A Study Based on High-Resolution Optical Spectroscopy. 2010 , 193-235 | | 191 |
| 593 | Transition-metal phosphors with cyclometalating ligands: fundamentals and applications. 2010 , 39, 638-55 | | 1098 |
| 592 | Cyclometalated iridium complexes as sensitizers for dye-sensitized solar cells. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 496-9 | 4.5 | 66 |
| 591 | Organic fluorophores exhibiting highly efficient photoluminescence in the solid state. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1516-31 | 4.5 | 377 |
| 590 | Electrophosphorescent heterobimetallic oligometallaynes and their applications in solution-processed organic light-emitting devices. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2405-14 | 4.5 | 34 |
| 589 | Phosphorescent chemosensors based on heavy-metal complexes. 2010 , 39, 3007-30 | | 1019 |
| 588 | Electronic structures and spectroscopic properties of promising highly efficient red phosphorescent Os(II)(LR) ₂ (PH ₃) ₂ complexes: a theoretical exploration. 2010 , 127, 467-474 | | 0 |
| 587 | Cyclometalated platinum(II) complexes with sterically bulky camphor-derived groups as β -diketonate ancillary ligand: a new route to efficiently reducing π - π interactions and Pt-Pt interactions. 2010 , 53, 167-172 | | 3 |
| 586 | A class of fascinating optoelectronic materials: Triarylboron compounds. 2010 , 53, 1235-1245 | | 11 |
| 585 | Molecular hosts for triplet emitters in organic light-emitting diodes and the corresponding working principle. 2010 , 53, 1679-1694 | | 34 |

| | | | |
|-----|--|-----|-----|
| 584 | Synthesis, characterization and applications of vinylsilfluorene copolymers: New host materials for electroluminescent devices. 2010 , 53, 2329-2336 | | 8 |
| 583 | Dinuclear Iridium(III) Complexes Linked by a Bis(β-diketonato) Bridging Ligand: Energy Convergence versus Aggregation-Induced Emission. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3642-3651 | 2.3 | 47 |
| 582 | Heterochiral vs. Homochiral Linkage of Emissive Iridium(III) Complexes with D-Penicillamine: Drastic Change in Emission Induced by Silver(I) Linkage. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3909-3913 | 2.3 | 13 |
| 581 | Functional Ir(III) complexes and their applications. 2010 , 22, 1534-9 | | 238 |
| 580 | Switching-on: The Copper Age. 2010 , 339-356 | | |
| 579 | Homoleptic tris(pyridyl pyrazolate) Ir(III) complexes: en route to highly efficient phosphorescent OLEDs. <i>Chemistry - A European Journal</i> , 2010 , 16, 4315-27 | 4.8 | 51 |
| 578 | Dumbbell-shaped dinuclear iridium complexes and their application to light-emitting electrochemical cells. <i>Chemistry - A European Journal</i> , 2010 , 16, 9855-63 | 4.8 | 46 |
| 577 | Recent Progress on the Photonic Properties of Conjugated Organometallic Polymers Built Upon the trans-Bis(para-ethynylbenzene)bis(phosphine)platinum(II) Chromophore and Related Derivatives. 2010 , 31, 671-713 | | 172 |
| 576 | Highly efficient organic light-emitting diodes (OLEDs) based on an iridium complex with rigid cyclometalated ligand. 2010 , 11, 632-640 | | 12 |
| 575 | Synthesis, structures, and photoluminescence properties of novel lanthanide tetracyanoplatinates lacking PtPt interactions. 2010 , 183, 933-939 | | 12 |
| 574 | Scandium 2-mercaptobenzothiazolate: Synthesis, structure and electroluminescent properties. 2010 , 29, 400-404 | | 10 |
| 573 | Solution luminescence from chloro(2,2':6',2''-terpyridine)platinum(II) chloride in micelles. 2010 , 363, 57-62 | | 9 |
| 572 | Efficient phosphorescent white OLEDs with high color rendering capability. 2010 , 11, 412-418 | | 78 |
| 571 | Photoinduced rearrangements in transition metal compounds. 2010 , 254, 2519-2532 | | 50 |
| 570 | Magnetic field effects on the phosphorescence of Pt(4,6-dFppy)(acac) and tunability of the vibrational satellite structure. 2010 , 484, 261-265 | | 17 |
| 569 | Triplet state properties of a red light emitting [Pt(s-thpy)(acac)] compound. 2010 , 486, 53-59 | | 24 |
| 568 | Phosphorescent iridium (III) 2-phenylpyridine complexes: Efficient color tuning by novel ancillary ligands. 2010 , 13, 179-182 | | 11 |
| 567 | Synthesis and luminescence of poly(phenylacetylene)s with pendant iridium complexes and carbazole groups. 2010 , 48, 3744-3757 | | 22 |

| | | | |
|-----|--|-----|-----|
| 566 | Experimental and theoretical study of the effect of the substituent nature on the luminescent properties of scandium complexes with substituted 8-hydroxyquinolines. 2010 , 44, 503-510 | | 5 |
| 565 | . 2010 , | | 4 |
| 564 | Red Phosphorescent Iridium(III) Complexes Containing 5-Benzoyl-2-phenylpyridine Derived Ligands with Electron-Donating/-Withdrawing Moieties for Organic Light-Emitting Diodes. 2010 , 530, 30/[186]-39/[195] | | |
| 563 | Unsymmetric Ru(II) complexes with N-heterocyclic carbene and/or terpyridine ligands: synthesis, characterization, ground- and excited-state electronic structures and their application for DSSC sensitizers. <i>Inorganic Chemistry</i> , 2010 , 49, 7340-52 | 5.1 | 86 |
| 562 | Synthesis, structures, and electroluminescent properties of scandium N,O-chelated complexes toward near-white organic light-emitting diodes. <i>Inorganic Chemistry</i> , 2010 , 49, 5094-100 | 5.1 | 52 |
| 561 | The fragment spin difference scheme for triplet-triplet energy transfer coupling. 2010 , 133, 074105 | | 53 |
| 560 | Excited-state intramolecular proton transfer (ESIPT) fine tuned by quinoline-pyrazole isomerism: pi-conjugation effect on ESIPT. 2010 , 114, 7886-91 | | 60 |
| 559 | New series of ruthenium(II) and osmium(II) complexes showing solid-state phosphorescence in far-visible and near-infrared. <i>Inorganic Chemistry</i> , 2010 , 49, 823-32 | 5.1 | 40 |
| 558 | Origin of rare and highly efficient phosphorescent and electroluminescent iridium(III) complexes based on C=N=N ligands, a theoretical explanation. 2010 , 114, 9300-8 | | 23 |
| 557 | Efficient and long-time stable red iridium(III) complexes for organic light-emitting diodes based on quinoxaline ligands. <i>Inorganic Chemistry</i> , 2010 , 49, 397-406 | 5.1 | 64 |
| 556 | Electrochemiluminescent functionalizable cyclometalated thiophene-based iridium(III) complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 1439-48 | 5.1 | 59 |
| 555 | White electroluminescence of lanthanide complexes resulting from exciplex formation. 2010 , 20, 2114 | | 43 |
| 554 | Mono- versus dinuclear Pt(II) 6-(5-trifluoromethyl-pyrazol-3-yl)-2,2'-bipyridine complexes: synthesis, characterization, and remarkable difference in luminescent properties. <i>Inorganic Chemistry</i> , 2010 , 49, 1372-83 | 5.1 | 48 |
| 553 | Design of luminescent biotinylation reagents derived from cyclometalated iridium(III) and rhodium(III) bis(pyridylbenzaldehyde) complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 4984-95 | 5.1 | 125 |
| 552 | Iridium(III) complexes with cyclometalated styrylbenzimidazole ligands: Synthesis, electrochemistry and as highly efficient emitters for organic light-emitting diodes. 2010 , 160, 1906-1911 | | 21 |
| 551 | Yellow-green organic light-emitting diode based on tris(2-methyl-8-quinolinolate) scandium. 2010 , 160, 2476-2480 | | 1 |
| 550 | Bright sky-blue phosphorescence of [n-Bu ₄ N][Pt(4,6-dFppy)(CN) ₂]: synthesis, crystal structure, and detailed photophysical studies. <i>Inorganic Chemistry</i> , 2010 , 49, 7818-25 | 5.1 | 41 |
| 549 | Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(III) centers. 2010 , 34, 2622 | | 13 |

- 548 Cyclometalation using d-block transition metals: fundamental aspects and recent trends. **2010**, 110, 576-623 631
- 547 Remarkable Mg²⁺-selective emission of an azacrown receptor based on Ir(III) complex. **2010**, 46, 3958-60 47
- 546 An inconvenient influence of iridium(III) isomer on OLED efficiency. **2010**, 39, 8914-8 34
- 545 Stable and tunable phosphorescent neutral cyclometalated Au(III) diaryl complexes. *Inorganic Chemistry*, **2010**, 49, 11463-72 5.1 70
- 544 Phosphorescence imaging of homocysteine and cysteine in living cells based on a cationic iridium(III) complex. *Inorganic Chemistry*, **2010**, 49, 6402-8 5.1 167
- 543 One-Pot and Step-by-Step N-Assisted CPh₃ Activation in 2-(4-Bromophenyl)imidazol[1,2-a]pyridine: Synthesis of a New C,N-Cyclometalated Compound [Pt(C₂N)(EtCl)₂] as Precursor of Luminescent Platinum(II) Compounds. **2010**, 29, 1396-1405 22
- 542 Photo-induced pyridine substitution in cis-[Ru(bpy)(2)(py)(2)]Cl(2): a snapshot by time-resolved X-ray solution scattering. *Inorganic Chemistry*, **2010**, 49, 11240-8 5.1 39
- 541 Phosphorescent Ir(III) complexes bearing double benzyldiphenylphosphine cyclometalates; strategic synthesis, fundamental and integration for white OLED fabrication. **2010**, 20, 7682 63
- 540 Development of thiocyanate-free, charge-neutral Ru(II) sensitizers for dye-sensitized solar cells. **2010**, 46, 5124-6 112
- 539 Diphenyl(1-naphthyl)phosphine ancillary for assembling of red and orange-emitting Ir(III) based phosphors; strategic synthesis, photophysics, and organic light-emitting diode fabrication. *Inorganic Chemistry*, **2010**, 49, 8713-23 5.1 56
- 538 Iridium(III) Bis-tridentate Complexes with 6-(5-Trifluoromethylpyrazol-3-yl)-2,2'-bipyridine Chelating Ligands: Synthesis, Characterization, and Photophysical Properties. **2010**, 29, 2882-2891 22
- 537 Modulating the luminescence of an iridium(III) complex incorporating a di(2-picoly)anilino-appended bipyridine ligand with Zn²⁺ cations. **2010**, 34, 21-24 51
- 536 Metallophosphors of platinum with distinct main-group elements: a versatile approach towards color tuning and white-light emission with superior efficiency/color quality/brightness trade-offs. **2010**, 20, 7472 199
- 535 Heteroleptic Ir(III) complexes containing both azolate chromophoric chelate and diphenylphosphinoaryl cyclometalates; reactivities, electronic properties and applications. **2011**, 40, 1132-43 43
- 534 Water-soluble phosphorescent iridium(III) complexes as multicolor probes for imaging of homocysteine and cysteine in living cells. **2011**, 21, 18974 103
- 533 Vinyl-type polynorbornene with 9,9'-(1,1'-biphenyl)-4,4'-diylbis-9H-carbazole side groups as a host material for highly efficient green phosphorescent organic light-emitting diodes. **2011**, 21, 5422 40
- 532 A large perturbation on geometry structures, excited state properties, charge-injection and -transporting abilities of Ir(III) complexes by different substituents on ligands: a DFT/TDDFT study. **2011**, 13, 18497-506 18
- 531 Polymer nanoparticles with an embedded phosphorescent osmium(II) complex for cell imaging. **2011**, 21, 5360 25

| | | | |
|-----|--|-----|-----|
| 530 | Unusual dinuclear and mononuclear cyclometalated iridium complexes of 2,5-diaryl-1,3,4-oxadiazole derivatives. <i>Inorganic Chemistry</i> , 2011 , 50, 3354-62 | 5.1 | 38 |
| 529 | Theoretical study of absorption and emission properties of green and yellow emitting iridium(III) complexes. 2011 , 115, 11861-5 | | 15 |
| 528 | Near-Infrared Solid-State Emitters Based on Isophorone: Synthesis, Crystal Structure and Spectroscopic Properties. 2011 , 23, 862-873 | | 100 |
| 527 | Efficient blue-emitting Ir(III) complexes with phosphine carbanion-based ancillary ligand: a DFT study. 2011 , 115, 11689-95 | | 34 |
| 526 | pH-Dependent spectroscopic and luminescent properties, and metal-ion recognition studies of Re(I) complexes containing 2-(2'-pyridyl)benzimidazole and 2-(2'-pyridyl)benzimidazolate. <i>Inorganic Chemistry</i> , 2011 , 50, 5379-88 | 5.1 | 22 |
| 525 | A cyclometalated iridium(III) complex with enhanced phosphorescence emission in the solid state (EPESS): synthesis, characterization and its application in bioimaging. 2011 , 40, 1969-76 | | 86 |
| 524 | Photophysics of soft and hard molecular assemblies based on luminescent complexes. 2011 , 63, 47-103 | | 19 |
| 523 | Control of the mutual arrangement of cyclometalated ligands in cationic iridium(III) complexes. Synthesis, spectroscopy, and electroluminescence of the different isomers. 2011 , 133, 10543-58 | | 162 |
| 522 | Excited-state properties of heteroleptic iridium(III) complexes bearing aromatic hydrocarbons with extended cores. <i>Inorganic Chemistry</i> , 2011 , 50, 10859-71 | 5.1 | 37 |
| 521 | Polymers with Carbazole-Oxadiazole Side Chains as Ambipolar Hosts for Phosphorescent Light-Emitting Diodes. 2011 , 23, 4002-4015 | | 64 |
| 520 | Systematic investigation of the metal-structure-photophysics relationship of emissive d10-complexes of group 11 elements: the prospect of application in organic light emitting devices. 2011 , 133, 12085-99 | | 272 |
| 519 | Phosphorescent heavy-metal complexes for bioimaging. 2011 , 40, 2508-24 | | 996 |
| 518 | Phosphorescent sensor for biological mobile zinc. 2011 , 133, 18328-42 | | 194 |
| 517 | Synthesis, characterization and photophysical study of a series of neutral isocyano rhodium(I) complexes with pyridylindolide ligands. 2011 , 696, 3223-3230 | | 6 |
| 516 | Synthesis and characterization of red iridium(III) complexes containing phenothiazine-phenylquinoline based on main ligand for solution-processed phosphorescent organic light-emitting diodes. 2011 , 161, 213-218 | | 13 |
| 515 | Ultrasound-induced emission enhancement based on structure-dependent homo- and heterochiral aggregations of chiral binuclear platinum complexes. 2011 , 133, 16054-61 | | 141 |
| 514 | Experimental and Theoretical Study of Novel Luminescent Di-, Tri-, and Tetranuclear Copper Triazole Complexes. 2011 , 30, 3275-3283 | | 65 |
| 513 | Highly phosphorescent crystals of vaulted trans-bis(salicylaldiminato)platinum(II) complexes. 2011 , 133, 6493-6 | | 85 |

| | | | |
|-----|--|-----|------|
| 512 | Phosphorescent binuclear iridium complexes based on terpyridine-carboxylate: an experimental and theoretical study. <i>Inorganic Chemistry</i> , 2011 , 50, 8197-206 | 5.1 | 42 |
| 511 | Feeling blue? Blue phosphors for OLEDs. 2011 , 14, 472-479 | | 126 |
| 510 | Synthesis, crystal structure and photoluminescent property of an iridium complex with coumarin derivative ligand. 2011 , 379, 171-174 | | 13 |
| 509 | Bioorganometallics: First examples of cyclometalated iridium(III) complexes containing di- and tripeptide ester ligands. 2011 , 379, 40-43 | | 11 |
| 508 | Harvesting luminescence via harnessing the photophysical properties of transition metal complexes. 2011 , 255, 2653-2665 | | 251 |
| 507 | The triplet state of organo-transition metal compounds. Triplet harvesting and singlet harvesting for efficient OLEDs. 2011 , 255, 2622-2652 | | 908 |
| 506 | Organic host materials for phosphorescent organic light-emitting diodes. 2011 , 40, 2943-70 | | 983 |
| 505 | New design tactics in OLEDs using functionalized 2-phenylpyridine-type cyclometalates of iridium(III) and platinum(II). <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1706-27 | 4.5 | 337 |
| 504 | Cyclometalated iridium(III) complexes based on phenyl-imidazole ligand. <i>Inorganic Chemistry</i> , 2011 , 50, 451-62 | 5.1 | 87 |
| 503 | Emissive iridium(III) diimine complexes formed by double cyclometalation of coordinated triphenylphosphite. <i>Inorganic Chemistry</i> , 2011 , 50, 5075-84 | 5.1 | 24 |
| 502 | [Ir(acac)(\mathbb{D} -C ₈ H ₁₄) ₂]: A precursor in the synthesis of cyclometalated iridium(III) complexes. 2011 , 365, 103-107 | | 28 |
| 501 | Theoretical investigation on the spectroscopic properties of cyclometalated iridium (III) complexes and the deprotonation influence on them in solution. 2011 , 111, 4080-4090 | | 5 |
| 500 | Random Copolymers with Pendant Cationic Mixed-Ligand Terpyridine-Based Iridium (III) Complexes: Synthesis and Application in Light-Emitting Devices. 2011 , 212, 1616-1628 | | 21 |
| 499 | White Organic Light-Emitting Diodes with Evenly Separated Red, Green, and Blue Colors for Efficiency/Color-Rendition Trade-Off Optimization. 2011 , 21, 3785-3793 | | 154 |
| 498 | Recent progresses on materials for electrophosphorescent organic light-emitting devices. 2011 , 23, 926-52 | | 1156 |
| 497 | Red Phosphorescence in RuII Complexes of a Tridentate N-Heterocyclic Carbene Ligand Incorporating Tetrahydropyrimidine. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 39-44 | 2.3 | 22 |
| 496 | Synthesis, Structures, and Unique Luminescent Properties of Tridentate C ⁺ C ⁻ N Cyclometalated Complexes of Iridium. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2869-2878 | 2.3 | 31 |
| 495 | Photophysical and Electrochemical Properties of Thiophene-Based 2-Arylpyridines. 2011 , 2011, 5587-5598 | | 16 |

| | | | |
|-----|---|-----|-----|
| 494 | A robust yellow-emitting metallophosphor with electron-injection/-transporting traits for highly efficient white organic light-emitting diodes. 2011 , 12, 2836-43 | | 29 |
| 493 | Theoretical study on phosphorescence efficiency and color tuning from orange to blue-green of Ir(III) complexes based on substituted 2-phenylimidazo[1,2-a]pyridine ligand. 2011 , 32, 1033-42 | | 22 |
| 492 | Iridium(III) Complexes of a Dicyclopentylphosphite Tripod Ligand: Strategy to Achieve Blue Phosphorescence Without Fluorine Substituents and Fabrication of OLEDs. 2011 , 123, 3240-3244 | | 31 |
| 491 | Tris(thiocyanate) Ruthenium(II) Sensitizers with Functionalized Dicarboxyterpyridine for Dye-Sensitized Solar Cells. 2011 , 123, 8420-8424 | | 24 |
| 490 | Iridium(III) complexes of a dicyclopentylphosphite tripod ligand: strategy to achieve blue phosphorescence without fluorine substituents and fabrication of OLEDs. 2011 , 50, 3182-6 | | 117 |
| 489 | Tris(thiocyanate) ruthenium(II) sensitizers with functionalized dicarboxyterpyridine for dye-sensitized solar cells. 2011 , 50, 8270-4 | | 89 |
| 488 | Mesomorphism and luminescence properties of platinum(II) complexes with tris(alkoxy)phenyl-functionalized pyridyl pyrazolate chelates. <i>Chemistry - A European Journal</i> , 2011 , 17, 546-56 | 4.8 | 67 |
| 487 | Synthesis, crystal structure and photoluminescence of iridium (III) coumarin complexes. 2011 , 14, 159-161 | | 15 |
| 486 | Theoretical studies on structures and spectroscopic properties of a series of heteroleptic iridium complexes based on tridentate bis(benzimidazolyl)pyridine ligand. 2011 , 963, 298-305 | | 3 |
| 485 | Iridium(III) complexes in discs for two-photon excitation applications. 2011 , 509, 162-168 | | 16 |
| 484 | Cyclometalated rhodium(III) and iridium(III) complexes containing amino acids as N,O-chelates. 2011 , 371, 42-46 | | 18 |
| 483 | Cyclometalated Ir(III) complexes containing N-aryl picolinamide ancillary ligands. 2011 , 696, 2711-2719 | | 10 |
| 482 | A novel deep-red-emitting iridium complex with single-peaked narrow emission band: Synthesis, photophysical properties, and electroluminescence performances. 2011 , 131, 184-189 | | 11 |
| 481 | Synthesis and characterization of blue phosphorescent cyclometalated Ir(III) complexes containing 2-(imidazol-2-yl)pyridine as ancillary ligand. 2011 , 131, 909-914 | | 4 |
| 480 | Nondoped phosphorescent organic quantum well light-emitting device based on iridium complex: Synthesis, characterization, photophysical property, and electroluminescence performance. 2011 , 131, 1821-1826 | | 3 |
| 479 | Photoluminescent nano-sized ternary and quaternary complexes of thorium(IV). 2011 , 99, 261-267 | | 1 |
| 478 | DFT/TDDFT investigation of the electronic structures and optoelectronic properties of phosphorescent iridium (III) complexes with non-conjugated cyclometalated carbene ligands. 2011 , 109, 1657-1675 | | 19 |
| 477 | Luminescence Comparison of Homoleptic and Heteroleptic 6-membered Iridium(III) Complexes. 2012 , 567, 149-155 | | 1 |

| | | |
|-----|--|---------|
| 476 | Synthesis, Crystallographic and Spectral Characterization of a Cadmium Chloride Complex Containing a Novel Imidazo[1,5-a]Pyridine Derivative. 2012 , 67, 452-458 | 18 |
| 475 | Iridium (III) complexes as promising emitters for solid-state Light-Emitting Electrochemical Cells (LECs). 2012 , 9, 377 | 49 |
| 474 | Synthesis and characterization of new blue light emitting iridium complexes containing a trimethylsilyl group. 2012 , 22, 22721 | 29 |
| 473 | A Phosphorescent C ² C* Cyclometalated Platinum(II) Dibenzothiophene NHC Complex. 2012 , 31, 7447-7452 | 51 |
| 472 | Highly efficient green-emitting electrophosphorescent hyperbranched polymers using a bipolar carbazole-3,6-diyl-co-2,8-octyldibenzothiophene-S,S-dioxide-3,7-diyl unit as the branch. 2012 , 2, 689-696 | 42 |
| 471 | TD-DFT investigation of electronic structures, photophysical properties and the theoretical design of OLEDs based on phosphorescent Ir(III) complexes bearing the non- π -electron-conjugated carbene ligand. 2012 , 110, 185-197 | 5 |
| 470 | Phenylcarbazole-dipyridyl triazole hybrid as bipolar host material for phosphorescent OLEDs. 2012 , 22, 5410 | 45 |
| 469 | Carbazole-based coplanar molecule (CmInF) as a universal host for multi-color electrophosphorescent devices. 2012 , 22, 215-224 | 105 |
| 468 | Rational design of metallophosphors with tunable aggregation-induced phosphorescent emission and their promising applications in time-resolved luminescence assay and targeted luminescence imaging of cancer cells. 2012 , 22, 22167 | 83 |
| 467 | Dipyridylketone as a versatile ligand precursor for new cationic heteroleptic cyclometalated iridium complexes. 2012 , 41, 1065-73 | 13 |
| 466 | Benzoquinolateplatinum(II) complexes as building blocks in the synthesis of Pt-Ag extended structures. 2012 , 41, 3439-51 | 31 |
| 465 | Synthesis of facial cyclometalated iridium(III) complexes triggered by tripodal ligands. 2012 , 41, 9519-25 | 6 |
| 464 | Exploring synthetic pathways to cationic heteroleptic cyclometalated iridium complexes derived from dipyridylketone. 2012 , 41, 7098-108 | 8 |
| 463 | Phosphorescent OLEDs assembled using Os(II) phosphors and a bipolar host material consisting of both carbazole and dibenzophosphole oxide. 2012 , 22, 10684 | 47 |
| 462 | DFT and TD-DFT study on the electronic structures and phosphorescent properties of 6-phenyl-2,2'-bipyridine tridentate iridium(III) complexes and their isomer. 2012 , 41, 8441-6 | 28 |
| 461 | Unusual Temperature-Dependent Photophysics of Oligofluorene-Substituted Tris-Cyclometalated Iridium Complexes. 2012 , 45, 133-141 | 24 |
| 460 | Improving the performance of Pt(II) complexes for blue light emission by enhancing the molecular rigidity. <i>Inorganic Chemistry</i> , 2012 , 51, 312-9 | 5.1 183 |
| 459 | Cyclometalated iridium(III) complexes containing hydroxide/chloride ligands: isolation of heterobridged dinuclear iridium(III) compounds containing EO ₂ H and Epyrazole ligands. <i>Inorganic Chemistry</i> , 2012 , 51, 10536-47 | 5.1 27 |

| | | | |
|-----|---|-----|-----|
| 458 | Thermally induced defluorination during a mer to fac transformation of a blue-green phosphorescent cyclometalated iridium(III) complex. <i>Inorganic Chemistry</i> , 2012 , 51, 290-7 | 5.1 | 65 |
| 457 | Turning On MLCT Phosphorescence of Iridium(III) Borane Conjugates upon Fluoride Binding. 2012 , 31, 31-34 | | 40 |
| 456 | Effect of axially projected oligothiophene pendants and nitro-functionalized diimine ligands on the lowest excited state in cationic Ir(III) bis-cyclometalates. <i>Inorganic Chemistry</i> , 2012 , 51, 5082-94 | 5.1 | 27 |
| 455 | Time-dependent density functional theory investigate the effect of arylacetylide chain length of cyclometalated Pt(II) complexes. 2012 , 162, 670-676 | | 11 |
| 454 | Benzylsulfonyl functionalized phenylpyridine iridium(III) complexes with tunable light emission color: A density functional theory study. 2012 , 162, 1190-1197 | | 3 |
| 453 | Blue Phosphorescence of Trifluoromethyl- and Trifluoromethoxy-Substituted Cationic Iridium(III) Isocyanide Complexes. 2012 , 31, 6288-6296 | | 42 |
| 452 | Phosphorescent chemosensor for Hg ²⁺ and acetonitrile based on iridium(III) complex. 2012 , 137, 5398-402 | | 20 |
| 451 | Quaterpyridine ligands for panchromatic Ru(II) dye sensitizers. 2012 , 77, 7945-56 | | 27 |
| 450 | Introduction. 2012 , 20, 70 | | 4 |
| 449 | Stepwise formation of iridium(III) complexes with monocyclometalating and dicyclometalating phosphorus chelates. <i>Inorganic Chemistry</i> , 2012 , 51, 1785-95 | 5.1 | 13 |
| 448 | Versatile control of the optical bandgap in heterobimetallic polymers through complexation of bithiazole-containing polyplatinyne with ReCl(CO) ₅ . 2012 , 703, 43-50 | | 11 |
| 447 | Lumineszierende ionische Übergangsmetallkomplexe für leuchtende elektrochemische Zellen. 2012 , 124, 8300-8334 | | 80 |
| 446 | Luminescent ionic transition-metal complexes for light-emitting electrochemical cells. 2012 , 51, 8178-211 | | 767 |
| 445 | 33.4: A New Class of Host Materials for Blue Phosphorescent Organic Electroluminescent Devices. 2012 , 43, 445-448 | | 3 |
| 444 | Mechanistic Investigation of Improved Syntheses of Iridium(III)-Based OLED Phosphors. 2012 , 31, 4349-4355 | | 33 |
| 443 | Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. 2012 , 22, 7136 | | 61 |
| 442 | Synthesis, structure and oxygen-sensing properties of iridium(III)-containing coordination polymers with different cations. 2012 , 41, 2592-600 | | 49 |
| 441 | Iridium phosphors with peripheral triphenylamine encapsulation: highly efficient solution-processed red electrophosphorescence. 2012 , 48, 2695-7 | | 42 |

| | | | |
|-----|---|-----|-----|
| 440 | Polypeptides-Induced Self-Aggregation and Tuning of Emission Properties of Luminescent Complexes. 2012 , 317-318, 206-214 | | 3 |
| 439 | Phosphoryl/Sulfonyl-Substituted Iridium Complexes as Blue Phosphorescent Emitters for Single-Layer Blue and White Organic Light-Emitting Diodes by Solution Process. 2012 , 24, 4581-4587 | | 126 |
| 438 | The Blue Phosphorescent Iridium Complexes Containing the Pyridyltriazole Derivatives as a Main Ligand. 2012 , 567, 156-162 | | |
| 437 | Photofunctional triplet excited states of cyclometalated Ir(III) complexes: beyond electroluminescence. 2012 , 41, 7061-84 | | 505 |
| 436 | Harvesting highly electronically excited energy to triplet manifolds: state-dependent intersystem crossing rate in Os(II) and Ag(I) complexes. 2012 , 134, 7715-24 | | 96 |
| 435 | Single molecule electrical excitation. 2012 , 249, 653-660 | | 1 |
| 434 | Luminescent iridium(III) complexes with N [^] C [^] N-coordinated terdentate ligands: dual tuning of the emission energy and application to organic light-emitting devices. <i>Inorganic Chemistry</i> , 2012 , 51, 3813-26 ^{5.1} | | 85 |
| 433 | New trends in the optical and electronic applications of polymers containing transition-metal complexes. 2012 , 33, 461-80 | | 49 |
| 432 | Ru(II) sensitizers with a tridentate heterocyclic cyclometalate for dye-sensitized solar cells. 2012 , 5, 7549 | | 50 |
| 431 | Tuning solid state luminescent properties in a hydrogen bonding-directed supramolecular assembly of bis-cyclometalated iridium(III) ethylenediamine complexes. 2012 , 41, 4919-26 | | 28 |
| 430 | Simple Tuning of the Optoelectronic Properties of Ir(III) and Pt(II) Electrophosphors Based on Linkage Isomer Formation with a Naphthylthiazolyl Moiety. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2278-2288 | 2.3 | 23 |
| 429 | Effects of fluorination on iridium(III) complex phosphorescence: magnetic circular dichroism and relativistic time-dependent density functional theory. <i>Inorganic Chemistry</i> , 2012 , 51, 2821-31 | 5.1 | 45 |
| 428 | Rapid Combinatorial Synthesis and Chromatography Based Screening of Phosphorescent Iridium Complexes for Solution Processing. 2012 , 22, 3406-3413 | | 10 |
| 427 | Os(II) Based Green to Red Phosphors: A Great Prospect for Solution-Processed, Highly Efficient Organic Light-Emitting Diodes. 2012 , 22, 3491-3499 | | 92 |
| 426 | Bluish-green BMes ₂ -functionalized Pt(II) complexes for high efficiency PhOLEDs: impact of the BMes ₂ location on emission color. <i>Chemistry - A European Journal</i> , 2012 , 18, 11306-16 | 4.8 | 64 |
| 425 | A novel blue-emitting Ir(III) complex with short excited state lifetime: Synthesis, structure, photophysical property, and electrophosphorescence performance. 2012 , 132, 2242-2246 | | 7 |
| 424 | Theoretical investigation on the photophysical properties of N-heterocyclic carbene iridium (III) complexes (fpmb)(x)Ir(bptz)(3-x) (x = 1-2). 2012 , 33, 1038-46 | | 21 |
| 423 | Metal-containing polymers via electropolymerization. 2012 , 24, 332-45 | | 95 |

| | | | |
|-----------------|--|-----|-----|
| 4 ²² | Computational studies on the injection, transport, absorption, and phosphorescence properties of a series of cationic iridium (III) complexes [Ir(C [?] N) ₂ (L) ₂] ⁺ (C [?] N = ppy, tpy, dfppy, bzq). 2013 , 113, 1010-1017 | | 1 |
| 4 ²¹ | Highly efficient phosphorescent organic light-emitting diodes using a homoleptic iridium(III) complex as a sky-blue dopant. 2013 , 14, 2596-2601 | | 86 |
| 4 ²⁰ | Design of Os(II) -based sensitizers for dye-sensitized solar cells: influence of heterocyclic ancillaries. 2013 , 6, 1366-75 | | 16 |
| 4 ¹⁹ | Four-coordinate organoboron compounds for organic light-emitting diodes (OLEDs). 2013 , 42, 8416-33 | | 367 |
| 4 ¹⁸ | Green-emitting phosphorescent iridium(III) complex: Structural, photophysical and electrochemical properties. 2013 , 408, 240-245 | | 13 |
| 4 ¹⁷ | Synthesis, characterization, and photophysical properties of heteroleptic copper(I) complexes with functionalized 3-(2'-pyridyl)-1,2,4-triazole chelating ligands. <i>Inorganic Chemistry</i> , 2013 , 52, 9727-40 | 5.1 | 77 |
| 4 ¹⁶ | Phosphorescent Ir(III) complexes with both cyclometalate chromophores and phosphine-silanolate ancillary: concurrent conversion of organosilane to silanolate. 2013 , 42, 7111-9 | | 37 |
| 4 ¹⁵ | Synthesis and luminescent properties of iridium complexes with reduced concentration quenching effect. 2013 , 29, 686-689 | | 0 |
| 4 ¹⁴ | Photophysics and Photochemistry of Non-Carbonyl-Containing Coordination and Organometallic Compounds. 2013 , 255-337 | | 3 |
| 4 ¹³ | Photochemistry of Metal Carbonyls. 2013 , 229-253 | | 7 |
| 4 ¹² | Electrochromic and Photochromic Properties. 2013 , 919-967 | | 3 |
| 4 ¹¹ | Tris(cyclometalated) Iridium(III) Phosphorescent Complexes with 2-Phenylthiazole-Type Ligands: Synthesis, Photophysical, Redox and Electrophosphorescent Behavior. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4754-4763 | 2.3 | 19 |
| 4 ¹⁰ | Luminescent diiridium(III) complex with a bridging biuretato ligand in unprecedented N,N':O,O' coordination. 2013 , 745-746, 341-346 | | 5 |
| 4 ⁰⁹ | Synthesis and characterization of heteroleptic cyclometalated divalent osmium Os[P(C ₆ H ₅) ₃] ₂ (CO)(N [?] C)Cl complexes. 2013 , 37, 26-29 | | 6 |
| 4 ⁰⁸ | Deep blue phosphorescent organic light-emitting diodes with excellent external quantum efficiency. 2013 , 14, 3228-3233 | | 25 |
| 4 ⁰⁷ | Terpyridineβetrathiafulvalene hybrid ligands and their electroactive metal complexes. 2013 , 37, 1427 | | 18 |
| 4 ⁰⁶ | Bipolar host materials for high efficiency phosphorescent organic light emitting diodes: tuning the HOMO/LUMO levels without reducing the triplet energy in a linear system. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8177 | 7.1 | 61 |
| 4 ⁰⁵ | Recent Progress in Phosphorescent Organic Light-Emitting Devices. 2013 , 2013, 7653-7663 | | 205 |

| | | | |
|-----|--|-----|-----|
| 404 | Polynorbornene Copolymer with Side-Chain Iridium(III) Emitters and Carbazole Hosts: A Single Emissive Layer Material for Highly Efficient Electrophosphorescent Devices. 2013 , 46, 674-682 | | 40 |
| 403 | Strong Solid-State Phosphorescence of 1,2-Telluraplatinacycles Incorporated into Rigid Dibenzobarrelene and Triptycene Skeletons. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5233-5239 | | 10 |
| 402 | Blue and blue-green PhOLEDs prepared with neutral heteroleptic iridium(III) complexes comprising substituted pyridine-1,2,4-triazoles as the ancillary ligands. 2013 , 182, 13-21 | | 19 |
| 401 | Harvesting Fluorescence from Efficient $T_k \rightarrow S_j$ ($j, k > 1$) Reverse Intersystem Crossing for π Emissive Transition-Metal Complexes. 2013 , 117, 20494-20499 | | 7 |
| 400 | Effect of pH on the photophysical properties of two new carboxylic-substituted iridium(III) complexes. 2013 , 138, 1689-99 | | 12 |
| 399 | Syntheses, Photoluminescence, and Electroluminescence of Iridium(III) Complexes with Fluorinated 2-Phenylpyridine as Main Ligands and Tertraphenylimidodiphosphate as Ancillary Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5683-5693 | 2.3 | 26 |
| 398 | Energy and electron transfer processes in polymeric nanoparticles. 2013 , 12, 2146-59 | | 5 |
| 397 | Synthesis and Molecular Structure of the New Green Emitting Complex $[\text{Ir}2(\text{O}^-\text{-oxamidato-N,N,O,O})(2\text{-}(p\text{-tolyl})\text{pyridinato})4]$. 2013 , 639, 1090-1094 | | 19 |
| 396 | (C^*C^*) Cyclometalated binuclear N-heterocyclic biscarbene platinum(II) complexes--highly emissive phosphorescent emitters. 2013 , 42, 9847-51 | | 51 |
| 395 | Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 441-450 | 7.1 | 70 |
| 394 | Theoretical study on the effect of N-substitution on the electronic structures and photophysical properties of phosphorescent Ir(III) complexes. 2013 , 42, 14149-57 | | 9 |
| 393 | Dynamic dual stage phosphorescence chromatic change in a diborylated iridium phosphor for fluoride ion sensing with concentration discriminating capability. 2013 , 3, 6553 | | 32 |
| 392 | Efficient enhancement of the visible-light absorption of cyclometalated Ir(III) complexes triplet photosensitizers with Bodipy and applications in photooxidation and triplet-triplet annihilation upconversion. <i>Inorganic Chemistry</i> , 2013 , 52, 6299-310 | 5.1 | 112 |
| 391 | Ligand-based charge-transfer luminescence in ionic cyclometalated iridium(III) complexes bearing a pyrene-functionalized bipyridine ligand: a joint theoretical and experimental study. <i>Inorganic Chemistry</i> , 2013 , 52, 885-97 | 5.1 | 48 |
| 390 | Unprecedented combination of regioselective hydrodefluorination and ligand exchange reaction during the syntheses of tris-cyclometalated iridium(III) complexes. 2013 , 42, 4479-86 | | 21 |
| 389 | Theoretical study of electronic structures and optoelectronic properties of blue emitting heteroleptic Iridium(III) complexes containing 1,1-dithiolates. 2013 , 1009, 35-42 | | 6 |
| 388 | Greenish yellow organic light emitting devices based on novel iridium complexes containing 2-cyclohexenyl-1-phenyl-1H-benzo[d]imidazole. 2013 , 99, 1010-1015 | | 7 |
| 387 | A water-soluble phosphorescent polymer for time-resolved assay and bioimaging of cysteine/homocysteine. 2013 , 1, 319-329 | | 59 |

- 386 The Enders Triazole—A well known molecule, but still a new ligand!!. **2013**, 30, 39-41 19
- 385 Synthetic control over photoinduced electron transfer in phosphorescence zinc sensors. **2013**, 135, 4771-87 107
- 384 Organometallic Complexes of Pyridines Together with Diverse Heterocycles as Ligands. **2013**, 109, 91-239 5
- 383 Luminescent Pt(II) Clusters Based on Neutral Benzoquinolate Cyclometalated Platinum Complexes. *European Journal of Inorganic Chemistry*, **2013**, 2013, 2231-2247 2.3 29
- 382 Development of high performance OLEDs for general lighting. *Journal of Materials Chemistry C*, **2013**, 1, 1699 7.1 532
- 381 Thiocyanate-Free Ru(II) Sensitizers with a 4,4'-Dicarboxyvinyl-2,2'-bipyridine Anchor for Dye-Sensitized Solar Cells. **2013**, 23, 2285-2294 26
- 380 Blue-emitting Ir(III) phosphors with 2-pyridyl triazolate chromophores and fabrication of sky blue- and white-emitting OLEDs. *Journal of Materials Chemistry C*, **2013**, 1, 2639 7.1 63
- 379 Syntheses, photoluminescence, and electroluminescence of a series of iridium complexes with trifluoromethyl-substituted 2-phenylpyridine as the main ligands and tetraphenylimidodiphosphinate as the ancillary ligand. *Inorganic Chemistry*, **2013**, 52, 4916-25 5.1 87
- 378 A Comprehensive Survey of Cationic Iridium(III) Complexes Bearing Nontraditional Ligand Chelation Motifs. *European Journal of Inorganic Chemistry*, **2013**, 2013, 2985-3007 2.3 146
- 377 Organometallic Emitters for OLEDs: Triplet Harvesting, Singlet Harvesting, Case Structures, and Trends. **2013**, 371-424 38
- 376 Highly efficient iridium(III) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. *Journal of Materials Chemistry C*, **2013**, 1, 808-821 7.1 61
- 375 Tuning the electronic and photophysical properties of heteroleptic iridium(III) phosphorescent emitters through ancillary ligand substitution: a theoretical perspective. **2013**, 15, 6293-302 37
- 374 Synthesis, crystal structure and photoluminescence of a cyclometalated Iridium(III) coumarin complex. **2013**, 23, 777-83 4
- 373 Efficient blue-emitting Ir(III) complexes with phenyl-methyl-benzimidazolyl and picolinate ligands: A DFT and time-dependent DFT study. **2013**, 113, 1641-1649 11
- 372 Engineering of thiocyanate-free Ru(II) sensitizers for high efficiency dye-sensitized solar cells. **2013**, 4, 2423 65
- 371 Ru(II) sensitizers bearing dianionic diazolate ancillaries: ligand synergy for high performance dye sensitized solar cells. **2013**, 1, 7681 26
- 370 Ligand-Induced Structural, Photophysical, and Electrochemical Variations in Tricarbonyl Rhenium(I) Tetrazolato Complexes. **2013**, 32, 3728-3737 26
- 369 Enhanced Emission and Analyte Sensing by Cinchonine Iridium(III) Cyclometalated Complexes Bearing Bent Diphosphine Chelators. **2013**, 32, 2908-2917 22

| | | | |
|-----|---|-----|-----|
| 368 | Acid-Induced Degradation and Ancillary Ligand Replacement of Biscyclometalated Iridium(III) Complexes. 2013 , 78, 413-418 | | 7 |
| 367 | Near-infrared phosphorescence: materials and applications. 2013 , 42, 6128-85 | | 472 |
| 366 | Cyclometalated iridium complexes of bis(aryl) phosphine ligands: catalytic C-H/C-D exchanges and C-C coupling reactions. <i>Inorganic Chemistry</i> , 2013 , 52, 6694-704 | 5.1 | 30 |
| 365 | Observation of the long-lived triplet excited state of perylenebisimide (PBI) in C ^N cyclometalated Ir(III) complexes and application in photocatalytic oxidation. 2013 , 42, 9595-605 | | 40 |
| 364 | DFT/TDDFT investigation on the electronic structures and photophysical properties of phosphorescent Ir(III) complexes with conjugated/non-conjugated carbene ligands. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3700 | 7.1 | 31 |
| 363 | New tetrazole-based Cu(I) homo- and heteroleptic complexes with various P ^Λ P ligands: synthesis, characterization, redox and photophysical properties. 2013 , 42, 997-1010 | | 90 |
| 362 | Versatile phosphorescent color tuning of highly efficient borylated iridium(III) cyclometalates by manipulating the electron-accepting capacity of the dimesitylboron group. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3317 | 7.1 | 61 |
| 361 | Photophysical properties of [Ir(tpy) ₂] ³⁺ -doped silica nanoparticles and synthesis of a colour-tunable material based on an Ir(core)Eu(shell) derivative. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3808 | 7.1 | 11 |
| 360 | Green light-excitable naphthalenediimide acetylide-containing cyclometalated Ir(III) complex with long-lived triplet excited states as triplet photosensitizers for triplet-triplet annihilation upconversion. 2013 , 42, 6478-88 | | 32 |
| 359 | 2-Phenyl-1,2,3-benzotriazole Ir(III) complexes with additional donor fragment for single-layer PhOLED devices. 2013 , 96, 278-286 | | 16 |
| 358 | Phosphorescence color tuning of cyclometalated iridium complexes by o-carborane substitution. <i>Inorganic Chemistry</i> , 2013 , 52, 160-8 | 5.1 | 101 |
| 357 | Emissive osmium(II) complexes with tetradentate bis(pyridylpyrazolate) chelates. <i>Inorganic Chemistry</i> , 2013 , 52, 5867-75 | 5.1 | 47 |
| 356 | Harnessing Fluorescence versus Phosphorescence Branching Ratio in (Phenyl) _n -Bridged (n = 0B) Bimetallic Au(I) Complexes. 2013 , 117, 9623-9632 | | 49 |
| 355 | NATURALLY EFFICIENT EMITTERS: LUMINESCENT ORGANOMETALLIC COMPLEXES DERIVED FROM NATURAL PRODUCTS. 2013 , 01, 1330003 | | 1 |
| 354 | Theoretical Study on Cationic Iridium(III) Complexes with a Diphosphane Ligand [Geometry, Electronic Properties, and Application for Light-Emitting Electrochemical Cells. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3370-3383 | 2.3 | 16 |
| 353 | Density functional theory and time-dependent density functional theory study on a series of iridium complexes with tetraphenylimidodiphosphinate ligand. 2013 , 26, 840-848 | | 9 |
| 352 | Theoretical study on electronic structures and phosphorescence properties of four tris-cyclometalated iridium(III) complexes. 2013 , 91, 1168-1173 | | 1 |
| 351 | Probing water micro-solvation in proteins by water catalysed proton-transfer tautomerism. 2013 , 4, 2611 | | 49 |

| | | | |
|-----|--|-----|-----|
| 350 | Synchrotron ultrafast techniques for photoactive transition metal complexes. 2013 , 371, 20120132 | | 15 |
| 349 | . 2014 , | | 4 |
| 348 | A large perturbation on electronic and photophysical properties of Ir(III) carbene complexes caused by the variation of N-substitution in N,N?-heteroaromatic ligands. 2014 , 610-611, 394-400 | | 2 |
| 347 | Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties. 2014 , 33, 6771-6777 | | 23 |
| 346 | Phosphorescent polymeric nanoparticles by coordination cross-linking as a platform for luminescence imaging and photodynamic therapy. <i>Chemistry - A European Journal</i> , 2014 , 20, 16242-7 | 4.8 | 12 |
| 345 | Phosphorescent C ² C* Cyclometalated Pt(II) Dibenzofuranyl-NHC Complexes [An Auxiliary Ligand Study. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 256-264 | 2.3 | 41 |
| 344 | Synthesis and Photophysical Properties of Iridium(III) Complex with Cyclometalated Styrylbenzothiazole Ligand. 2014 , 1033-1034, 342-345 | | |
| 343 | Monitoring excited state dynamics in cis-[Ru(bpy) ₂ (py) ₂] ²⁺ by ultrafast synchrotron techniques. 2014 , 229, 34-45 | | 14 |
| 342 | The construction of glucose biosensor based on crystalline iridium(III)-containing coordination polymers with fiber-optic detection. 2014 , 190, 479-485 | | 31 |
| 341 | Theory and calculation for the electronic coupling in excitation energy transfer. 2014 , 114, 102-115 | | 89 |
| 340 | Recent progress in metal-organic complexes for optoelectronic applications. 2014 , 43, 3259-302 | | 823 |
| 339 | Sequential direct SNAr reactions of pentafluorobenzenes with azole or indole derivatives. 2014 , 16, 3130-3 | | 27 |
| 338 | Blue phosphorescent nitrile containing C ² C* cyclometalated NHC platinum(II) complexes. 2014 , 43, 3297-305 | | 42 |
| 337 | Oxadiazole based bipolar host materials employing planarized triarylamine donors for RGB PHOLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2069-2081 | 7.1 | 37 |
| 336 | Recent design tactics for high performance white polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1760 | 7.1 | 239 |
| 335 | Exploring excited-state tunability in luminescent tris-cyclometalated platinum(IV) complexes: synthesis of heteroleptic derivatives and computational calculations. <i>Chemistry - A European Journal</i> , 2014 , 20, 17346-59 | 4.8 | 21 |
| 334 | Phosphorescent cyclometalated complexes for efficient blue organic light-emitting diodes. 2014 , 15, 054202 | | 21 |
| 333 | A detailed investigation of light-harvesting efficiency of blue color emitting divergent iridium dendrimers with peripheral phenylcarbazole units. 2014 , 16, 4510-21 | | 24 |

| | | | |
|-----|--|-----|-----|
| 332 | The reasons for ligand-dependent quantum yields and spectroscopic properties of platinum(II) complexes based on tetradentate O ^N C ^N ligands: a DFT and TD-DFT study. 2014 , 43, 2849-58 | | 6 |
| 331 | Thermally activated delayed fluorescence (TADF) and enhancing photoluminescence quantum yields of [Cu(I)(diimine)(diphosphine)](+) complexes-photophysical, structural, and computational studies. <i>Inorganic Chemistry</i> , 2014 , 53, 10854-61 | 5.1 | 177 |
| 330 | When self-assembly meets biology: luminescent platinum complexes for imaging applications. 2014 , 43, 4144-66 | | 237 |
| 329 | A platinum(II) complex bearing deprotonated 2-(diphenylphosphino)benzoic acid for superior phosphorescence of monomers. 2014 , 43, 7704-7 | | 10 |
| 328 | Influence of primary and auxiliary ligand on spectroscopic properties and luminescent efficiency of organoplatinum(II) complexes bearing functionalized cyclometalated C ^N C ligands. 2014 , 43, 14029-38 | | 8 |
| 327 | Cyclometalated Ir(III) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. 2014 , 2, 2838-2854 | | 99 |
| 326 | Tuning the electronic properties and quantum efficiency of blue Ir(III) carbene complexes via different azole-pyridine-based N ^N ? ligands. 2014 , 4, 6284 | | 8 |
| 325 | A DFT/TDDFT study on the effect of CN substitution on color tuning and phosphorescence efficiency of a series of Ir(III) complexes with phosphine-silanolate ligands. 2014 , 43, 714-21 | | 16 |
| 324 | Preparation of Pt-Tl clusters showing new geometries. X-ray, NMR and luminescence studies. 2014 , 43, 10828-43 | | 17 |
| 323 | Improved host material for electrophosphorescence by positional engineering of spirobifluorene-barbazole hybrids. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8736-8744 | 7.1 | 20 |
| 322 | New synthetic pathways to the preparation of near-blue emitting heteroleptic Ir(III)N ₆ coordinated compounds with microsecond lifetimes. 2014 , 50, 6461-3 | | 12 |
| 321 | Yellow/orange emissive heavy-metal complexes as phosphors in monochromatic and white organic light-emitting devices. 2014 , 43, 6439-69 | | 358 |
| 320 | Heteroleptic cyclometalated iridium(III) complexes supported by triarylborolpicolinate ligand: ratiometric turn-on phosphorescence response upon fluoride binding. <i>Inorganic Chemistry</i> , 2014 , 53, 8672-80 | 5.1 | 40 |
| 319 | Columnar discotic Pt(II) metallomesogens as luminescence multifunctional materials with chemo and thermosensor abilities. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9167-9181 | 7.1 | 46 |
| 318 | Quantum chemical characterization and design of homoleptic Ir(III) complexes employing triphenylamine-featured thiazole-based ligand for efficient phosphors in OLEDs. 2014 , 198, 67-75 | | 6 |
| 317 | Physicochemical analysis of ruthenium(II) sensitizers of 1,2,3-triazole-derived mesoionic carbene and cyclometalating ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 2083-95 | 5.1 | 72 |
| 316 | Synthesis, structure, photo- and electro-luminescence of an iridium(III) complex with a novel carbazole functionalized diketone ligand. 2014 , 4, 554-562 | | 16 |
| 315 | Synthesis, structures, and optical properties of ruthenium(II) complexes of the tris(1-pyrazolyl)methane ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 3798-811 | 5.1 | 12 |

| | | | |
|-----|---|-----|-----|
| 314 | Blue-green iridium(III) emitter and comprehensive photophysical elucidation of heteroleptic cyclometalated iridium(III) complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 4089-99 | 5.1 | 95 |
| 313 | Cyclometalated iridium(III) complexes for phosphorescence sensing of biological metal ions. <i>Inorganic Chemistry</i> , 2014 , 53, 1804-15 | 5.1 | 119 |
| 312 | The effect of substituted 1,2,4-triazole moiety on the emission, phosphorescent properties of the blue emitting heteroleptic iridium(III) complexes and the OLED performance: a theoretical study. 2014 , 16, 17284-94 | | 44 |
| 311 | Metal complexes with pyridyl azolates: Design, preparation and applications. 2014 , 281, 1-25 | | 105 |
| 310 | CCC ⁺ Ir ^{III} NHC Osmium Complexes: New Types of Blue-Green Emissive Neutral Compounds for Organic Light-Emitting Devices (OLEDs). 2014 , 33, 5582-5596 | | 72 |
| 309 | C ⁺ N-Cyclometalated Platinum(II) Complexes with Sterically Demanding 1,2-Diarylimidazole Ligands. 2014 , 33, 3464-3473 | | 21 |
| 308 | Computational Tools for Structure, Spectroscopy and Thermochemistry. 2014 , 249-320 | | |
| 307 | Os(II) phosphors with near-infrared emission induced by ligand-to-ligand charge transfer transition. <i>Inorganic Chemistry</i> , 2014 , 53, 9366-74 | 5.1 | 30 |
| 306 | Synthesis, crystal structures and photo- and electro-luminescence of copper(I) complexes containing electron-transporting diaryl-1,3,4-oxadiazole. 2014 , 24, 933-43 | | 10 |
| 305 | Bio-imaging with neutral luminescent Pt(II) complexes showing metal-metal interactions. 2014 , 4, 25709-25718;2 | | |
| 304 | Iridium(III) complexes with phenyl-tetrazoles as cyclometalating ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 7709-21 | 5.1 | 57 |
| 303 | A Cyclometalated Ir(III) Complex Containing N-naphthyl Picolinamide Ancillary Ligand. 2014 , 84, 115-120 | | |
| 302 | Deep red phosphorescence of cyclometalated iridium complexes by o-carborane substitution. <i>Inorganic Chemistry</i> , 2014 , 53, 128-38 | 5.1 | 92 |
| 301 | Structure-property relationships based on Hammett constants in cyclometalated iridium(III) complexes: their application to the design of a fluorine-free IrPic-like emitter. 2014 , 43, 5667-79 | | 85 |
| 300 | Rare observation of aggregation induced emission in cyclometalated platinum(II) complexes and their biological activities. 2014 , 4, 50549-50553 | | 21 |
| 299 | Enlarging the system of phosphorescent (C ⁺ C [*]) cyclometalated platinum(II) NHC complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 6346-56 | 5.1 | 67 |
| 298 | Pure red phosphorescent OLED (PhOLED) based on a cyclometalated iridium complex with a dibenzoylmethane (dbm) moiety as the ancillary ligand. 2014 , 562, 530-537 | | 14 |
| 297 | Color tuning from red to green of bis-cyclometalated iridium(III) emitters based on benzoimidazole ligands in OLEDs: A DFT and TD-DFT investigation. 2014 , 194, 160-169 | | 3 |

| | | | |
|-----|---|-----|-----|
| 296 | Phosphorescence Variation on the Electron Density of Donor Acceptor-type Iridium(III) Complex Ligands. 2015 , 620, 132-138 | | 4 |
| 295 | Circularly polarised phosphorescent photoluminescence and electroluminescence of iridium complexes. 2015 , 5, 14912 | | 118 |
| 294 | Luminescent Iridium(III) Complexes Supported by N-Heterocyclic Carbene-based C [∧] C-Pincer Ligands and Aromatic Diimines. 2015 , 5, 15394 | | 11 |
| 293 | Tridentate Complexes of Palladium(II) and Platinum(II) Bearing bis-Aryloxy Triazole Ligands: A Joint Experimental and Theoretical Investigation. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2368-79 | 4.5 | 7 |
| 292 | [Cr(ddpd) ₂] ³⁺ : ein molekulares, wasserlösliches, hoch NIR-lumineszentes Rubin-Analogon. 2015 , 127, 11735-11739 | | 42 |
| 291 | [Cr(ddpd) ₂] ⁽³⁺⁾ : A Molecular, Water-Soluble, Highly NIR-Emissive Ruby Analogue. 2015 , 54, 11572-6 | | 121 |
| 290 | Yellow Organic Light-Emitting Diodes from Heteroleptic Iridium(III) Complexes with Avobenzone Ligands as Dopants. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 5571-5576 | 2.3 | 1 |
| 289 | Efficient near-infrared-emitting cationic iridium complexes based on highly conjugated cyclometalated benzo[g]phthalazine derivatives. 2015 , 5, 42354-42361 | | 37 |
| 288 | tris-Heteroleptic cyclometalated iridium(III) complexes with ambipolar or electron injection/transport features for highly efficient electrophosphorescent devices. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 252-62 | 4.5 | 45 |
| 287 | Electrical and optical characteristics of phosphorescent organic light-emitting device with thin-codoped layer insertion. 2015 , 24, 182-187 | | 10 |
| 286 | Organometallic Phosphors for OLEDs Lighting. 2015 , 241-284 | | |
| 285 | Theoretical studies on the substituent effect on the photophysical properties of two series of heteroleptic Ir(III) complexes. 2015 , 98, 196-202 | | 5 |
| 284 | Phosphorescent Platinum(II) Complexes with C [∧] C* Cyclometalated NHC Dibenzofuranyl Ligands: Impact of Different Binding Modes on the Decay Time of the Excited State. <i>Chemistry - A European Journal</i> , 2015 , 21, 12881-4 | 4.8 | 24 |
| 283 | Finely Tuned Blue Iridium Complexes with Varying Horizontal Emission Dipole Ratios and Quantum Yields for Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2015 , 3, 211-220 | 8.1 | 29 |
| 282 | Luminescent Pt(II) complexes bearing dual isoquinolynyl pyrazolates: fundamentals and applications. 2015 , 44, 8552-63 | | 39 |
| 281 | Modification of the emission colour and quantum efficiency for oxazoline- and thiazoline-containing iridium complexes via different N [∧] O ligands. 2015 , 5, 18464-18470 | | 11 |
| 280 | Manipulation of phosphorescence efficiency of cyclometalated iridium complexes by substituted o-carboranes. <i>Chemistry - A European Journal</i> , 2015 , 21, 2052-61 | 4.8 | 64 |
| 279 | Strongly phosphorescent neutral rhenium(i) isocyanoborato complexes: synthesis, characterization, and photophysical, electrochemical, and computational studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 2603-12 | 4.8 | 33 |

| | | | |
|-----|---|-----|-----|
| 278 | Recent Advances in Solution-Processable Dendrimers for Highly Efficient Phosphorescent Organic Light-Emitting Diodes (PHOLEDs). 2015 , 4, 394-429 | | 99 |
| 277 | Toward white electroluminescence by ruthenium quinoxaline light emitting diodes. 2015 , 39, 3035-3042 | | 6 |
| 276 | Heteroleptic platinum(II) NHC complexes with a C [∧] C* cyclometalated ligand [Synthesis, structure and photophysics. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1680-1693 | 7.1 | 50 |
| 275 | Theories of phosphorescence in organo-transition metal complexes [From relativistic effects to simple models and design principles for organic light-emitting diodes. 2015 , 295, 46-79 | | 83 |
| 274 | Progress and perspective of iridium-containing phosphorescent polymers for light-emitting diodes. 2015 , 47, 92-121 | | 63 |
| 273 | Functionalization of phosphorescent emitters and their host materials by main-group elements for phosphorescent organic light-emitting devices. 2015 , 44, 8484-575 | | 634 |
| 272 | Higher fluorescence in platinum(IV) orthometallated complexes of perylene imine compared with their platinum(II) or palladium(II) analogues. 2015 , 44, 16164-76 | | 16 |
| 271 | Iridium Cyclometalates with Tethered o-Carboranes: Impact of Restricted Rotation of o-Carborane on Phosphorescence Efficiency. 2015 , 137, 8018-21 | | 89 |
| 270 | Photophysical and electroluminescence properties of bis(2',6'-difluoro-2,3'-bipyridinato-N,C4')iridium(picolate) complexes: effect of electron-withdrawing and electron-donating group substituents at the 4' position of the pyridyl moiety of the cyclometalated ligand. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7405-7420 | 7.1 | 31 |
| 269 | Recent progress in luminescent liquid crystal materials: design, properties and application for linearly polarised emission. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7993-8005 | 7.1 | 116 |
| 268 | Stable and color tunable emission properties based on non-cyclometalated gold(III) complexes. 2015 , 44, 10003-13 | | 8 |
| 267 | Polynorbornene copolymer with side-chain triarylborane and iridium(III) groups: An emissive layer material with electron transporting properties for PhOLEDs. 2015 , 66, 67-75 | | 15 |
| 266 | 3,5-Disubstituted-2-(2'-pyridylpyrroles) Ir(III) complexes: Structural and photophysical characterization. 2015 , 786, 55-62 | | 8 |
| 265 | Phosphorescent Cationic Au ₄ Ag ₂ Alkynyl Cluster Complexes for Efficient Solution-Processed Organic Light-Emitting Diodes. 2015 , 25, 3033-3042 | | 45 |
| 264 | Synthesis and characterization of phosphorescent platinum and iridium complexes with cyclometalated corannulene. 2015 , 44, 8456-66 | | 10 |
| 263 | Near infrared-emitting tris-bidentate Os(II) phosphors: control of excited state characteristics and fabrication of OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4910-4920 | 7.1 | 42 |
| 262 | Heteroleptic Ir(III) phosphors with bis-tridentate chelating architecture for high efficiency OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3460-3471 | 7.1 | 48 |
| 261 | An Extended Chain and Trinuclear Complexes Based on Pt(II)-M (M = Tl(I), Pb(II)) Bonds: Contrasting Photophysical Behavior. <i>Inorganic Chemistry</i> , 2015 , 54, 4351-63 | 5.1 | 42 |

- 260 Enhancing the electronic properties and quantum efficiency of sulfonyl/phosphoryl-substituted blue iridium complexes via different ancillary ligands. **2015**, 39, 4147-4153 5
- 259 Theoretical research on the effect of regulated π -conjugation on the photophysical properties of Ir(III) complexes. **2015**, 17, 10014-21 26
- 258 Yellow electrophosphorescent devices with hosts containing N1-(naphthalen-1-yl)-N1,N4-diphenylnaphthalene-1,4-diamine and tetraphenylsilane units. **2015**, 5, 27235-27241 7
- 257 Triarylboron-Functionalized Metal Complexes for OLEDs. **2015**, 207-239 4
- 256 Syntheses and electronic and optical properties of complexes of the bis(2,2'-bipyrazyl)ruthenium unit. **2015**, 96, 57-65 11
- 255 "Aggregation induced phosphorescence" active "rollover" iridium(III) complex as a multi-stimuli-responsive luminescence material. **2015**, 44, 6581-92 43
- 254 Monocyclometalated Gold(III) Complexes Bearing π -Accepting Cyanide Ligands: Syntheses, Structural, Photophysical, and Electrochemical Investigations. *Inorganic Chemistry*, **2015**, 54, 10748-60 5.1 28
- 253 Ir(III)-Based Phosphors with Bipyrazolate Ancillaries; Rational Design, Photophysics, and Applications in Organic Light-Emitting Diodes. *Inorganic Chemistry*, **2015**, 54, 10811-21 5.1 31
- 252 Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. **2015**, 7, 24703-14 52
- 251 A new class of deep-blue emitting Cu(I) compounds--effects of counter ions on the emission behavior. **2015**, 44, 20045-55 41
- 250 Phosphorescent chemosensor for Hg²⁺ based on an iridium(III) complex coordinated with 4-phenylquinazoline and carbazole dithiocarbamate. **2015**, 5, 74924-74931 28
- 249 A charged iridophosphor for time-resolved luminescent CO₂ gas identification. *Journal of Materials Chemistry C*, **2015**, 3, 66-72 7.1 34
- 248 NIR-emissive iridium(III) corrole complexes as efficient singlet oxygen sensitizers. **2015**, 44, 17767-73 37
- 247 Near-Infrared Polymer Light-Emitting Diodes with High Efficiency and Low Efficiency Roll-off by Using Solution-Processed Iridium(III) Phosphors. **2015**, 27, 96-104 99
- 246 Efficient blue green organic light-emitting devices based on a monofluorinated heteroleptic iridium(III) complex. **2015**, 199, 139-146 16
- 245 Neutral benzoquinolate cyclometalated platinum(II) complexes as precursors in the preparation of luminescent PtAg complexes. **2015**, 424, 136-149 19
- 244 Phosphorescent iridium(III) complexes based on 2-phenylimidazo[1,2-a]pyridine-type ligands: Synthesis, photophysical, electrochemical, and electrophosphorescent properties. **2015**, 784, 31-40 12
- 243 A new class of luminescent Cu(I) complexes with tripodal ligands π -ADF emitters for the yellow to red color range. **2015**, 44, 8506-20 73

| | | | |
|-----|--|-----|-----|
| 242 | Theoretical study on a series of iridium complexes with low efficiency roll-off property. 2015 , 134, 406-12 | | 19 |
| 241 | Phosphorescent ion-paired iridium(III) complex for ratiometric and time-resolved luminescence imaging of intracellular biothiols. 2016 , 24, 28247-28255 | | 24 |
| 240 | Phosphorescent Platinum(II) Complexes with Mesoionic 1H-1,2,3-Triazolylidene Ligands. <i>Chemistry - A European Journal</i> , 2016 , 22, 9914-8 | 4.8 | 44 |
| 239 | A theoretical study on the electronic structures and photophysical properties of phosphorescent Iridium(III) complexes with -CH ₃ /H and t-Bu substituents. 2016 , 45, 12587-93 | | 3 |
| 238 | Novel Ir(ppy) ₃ Derivatives: Simple Structure Modification Toward Nearly 30% External Quantum Efficiency in Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2016 , 4, 864-870 | 8.1 | 22 |
| 237 | New red phosphorescent iridium(III) complex with 4-tert-Butylphenyl-boronic acid of organic borane. 2016 , 636, 67-72 | | |
| 236 | Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(III) complexes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5731-5738 | 7.1 | 31 |
| 235 | Enhanced photophysics from self-assembled cyclometalated Ir(III) complexes in water. 2016 , 52, 7846-9 | | 14 |
| 234 | The influence of different cyclometalated ligand substituents and ancillary ligand on the phosphorescent properties of iridium(III) complexes. 2016 , 177, 179-189 | | 3 |
| 233 | Synthesis and electrophosphorescence of novel heteroleptic iridium complexes based on thiazole-containing ligands. 2016 , 6, 34198-34203 | | 4 |
| 232 | Orange-red- and white-emitting diodes fabricated by vacuum evaporation deposition of sublimable cationic iridium complexes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5051-5058 | 7.1 | 21 |
| 231 | Luminescent Metal Complexes Featuring Photophysically Innocent Boron Cluster Ligands. 2016 , 7, 5132-5138 | | 117 |
| 230 | A novel aggregation induced emission active cyclometalated Ir(III) complex as a luminescent probe for detection of copper(II) ion in aqueous solution. 2016 , 177, 299-305 | | 9 |
| 229 | Synthesis, structures and photophysical properties of copper(I) 2-(2-benzimidazolyl)-6-methylpyridine complexes with different diphosphine ligands. 2016 , 119, 525-531 | | 4 |
| 228 | Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometallating Ligands. <i>Inorganic Chemistry</i> , 2016 , 55, 10361-10376 | 5.1 | 35 |
| 227 | Heteroleptic [Os(H)(CO)(NN)(tpp)] and [Os(Cl)(CO)(NN)(tpp)] complexes - comparative studies of their luminescence properties. 2016 , 18, 28982-28996 | | 5 |
| 226 | Organic Light-Emitting Diodes (OLEDs): Working Principles and Device Technology. 2016 , 145-196 | | 11 |
| 225 | New iridium complexes bearing C [∧] N=N ligand for high efficiency OLEDs. 2016 , 180, 51-57 | | 14 |

| | | | |
|-----|--|-----|-----|
| 224 | Influence of doped Alq3 layer on performance of MEH-PPV, MDMO-PPV, and P3HT polymer light-emitting diodes. 2016 , 48, 1 | | 3 |
| 223 | Sulfonyl-Substituted Heteroleptic Cyclometalated Iridium(III) Complexes as Blue Emitters for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 8612-27 | 5.1 | 28 |
| 222 | Highly Efficient Organic Light-Emitting Diodes with Low Efficiency Roll-Off Based on Iridium Complexes Containing Pinene Sterically Hindered Spacer. <i>Advanced Optical Materials</i> , 2016 , 4, 1726-1731 | 8.1 | 28 |
| 221 | Room temperature blue phosphorescence: a combined experimental and theoretical study on the bis-tridentate Ir(III) metal complexes. 2016 , 45, 15364-15373 | | 39 |
| 220 | Simplified Hybrid White Organic Light-Emitting Diodes with a Mixed Fluorescent Blue Emitting Layer for Exciton Managing and Lifetime Improving. <i>Advanced Optical Materials</i> , 2016 , 4, 2051-2056 | 8.1 | 29 |
| 219 | Photoisomerization Mechanism of Ruthenium Sulfoxide Complexes: Role of the Metal-Centered Excited State in the Bond Rupture and Bond Construction Processes. <i>Chemistry - A European Journal</i> , 2016 , 22, 14285-92 | 4.8 | 9 |
| 218 | Metal Complexes with Azolate-Functionalized Multidentate Ligands: Tactical Designs and Optoelectronic Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 17892-17908 | 4.8 | 54 |
| 217 | Photoluminescence and in vitro cytotoxicity of benzimidazole-based CuI/PtII complexes. 2016 , 119, 7-13 | | 5 |
| 216 | Molecular and Nanoaggregation in Cyclometalated Iridium(III) Complexes through Structural Modification. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4199-4206 | 2.3 | 7 |
| 215 | Tuning the Phosphorescence and Solid State Luminescence of Triarylborane-Functionalized Acetylacetonato Platinum Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 12220-12229 | 5.1 | 45 |
| 214 | Osmium(II) complexes for light-driven aerobic oxidation of amines to imines. 2016 , 45, 12400-8 | | 13 |
| 213 | New exploration towards dinuclear iridium(II) complexes materials under chlorine-bridged precursor. 2016 , 6, 68960-68963 | | 3 |
| 212 | Self-Host Blue-Emitting Iridium Dendrimer Containing Bipolar Dendrons for Nondoped Electrophosphorescent Devices with Superior High-Brightness Performance. 2016 , 8, 29600-29607 | | 39 |
| 211 | Blue Phosphorescent Zwitterionic Iridium(III) Complexes Featuring Weakly Coordinating nido-Carborane-Based Ligands. 2016 , 138, 15758-15765 | | 128 |
| 210 | Asymmetric tris-Heteroleptic Iridium(III) Complexes Containing a 9-Phenyl-9-phosphafluorene Oxide Moiety with Enhanced Charge Carrier Injection/Transporting Properties for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. 2016 , 28, 8556-8569 | | 43 |
| 209 | Evolution of 2, 3?-bipyridine class of cyclometalating ligands as efficient phosphorescent iridium(III) emitters for applications in organic light emitting diodes. 2016 , 29, 29-47 | | 30 |
| 208 | Synthesis, photo- and electro-luminescence of red-emitting Ir(III) complexes with 2-(1-naphthyl)benzothiazole and carrier transporting group-functionalized picolinate ligands. 2016 , 825-826, 33-40 | | 9 |
| 207 | A series of pure orange-yellow iridium complexes with low efficiency roll-off: A computational study. 2016 , 32, 451-454 | | 8 |

| | | | |
|-----|--|-----|-----|
| 206 | Cyclometalated iridium(III) chelates-a new exceptional class of the electrochemiluminescent luminophores. 2016 , 408, 7013-33 | | 59 |
| 205 | Efficient red organic light-emitting diode based on simple Pt(II) ON- complex. 2016 , 135, 80-85 | | 1 |
| 204 | Solution-processed OLEDs based on phosphorescent PtAu ₂ complexes with phenothiazine-functionalized acetylides. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6096-6103 | 7.1 | 30 |
| 203 | Bis-Tridentate Iridium(III) Phosphors Bearing Functional 2-Phenyl-6-(imidazol-2-ylidene)pyridine and 2-(Pyrazol-3-yl)-6-phenylpyridine Chelates for Efficient OLEDs. 2016 , 35, 1813-1824 | | 54 |
| 202 | Pt(II) Phosphors Featuring Both Dicarbene and Functional Biazolate Chelates: Synthesis, Luminescent Properties, and Applications in Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 6394-404 | 5.1 | 26 |
| 201 | Simultaneous observation of ligand-based fluorescence and phosphorescence within a magnesium-based CP/MOF at room temperature. 2016 , 45, 11935-8 | | 18 |
| 200 | An extremely low-index photonic crystal layer for enhanced light extraction from organic light-emitting diodes. 2016 , 8, 4113-20 | | 30 |
| 199 | Luminescent Neutral Cu(I) Complexes: Synthesis, Characterization and Application in Solution-Processed OLED. 2016 , 5, R83-R90 | | 20 |
| 198 | The substituent effect of 2-R-o-carborane on the photophysical properties of iridium(III) cyclometalates. 2016 , 45, 5667-75 | | 33 |
| 197 | A novel cyclometalated Ir(III) complex based luminescence intensity and lifetime sensor for Cu ²⁺ . 2016 , 6, 16482-16488 | | 8 |
| 196 | Facile synthesis of novel blue light and large Stoke shift emitting tetradentate polyazines based on imidazo[1,5-a]pyridine. 2016 , 128, 96-100 | | 30 |
| 195 | Theoretical study and design of highly efficient platinum(II) complexes bearing tetradentate ligands for OLED. 2016 , 6, 11648-11656 | | 28 |
| 194 | Theoretical investigation on the electronic structures and photophysical properties of a series of iridium(III) complexes based on amidate ancillary ligand. 2016 , 127, 3230-3234 | | |
| 193 | From Mononuclear to Dinuclear Iridium(III) Complex: Effective Tuning of the Optoelectronic Characteristics for Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 1720-7 | 5.1 | 114 |
| 192 | Phosphorescent soft salt for ratiometric and lifetime imaging of intracellular pH variations. 2016 , 7, 3338-3346 | | 67 |
| 191 | Solid-State and Solution Metallophilic Aggregation of a Cationic [Pt(NCN)L] ⁺ Cyclometalated Complex. <i>Inorganic Chemistry</i> , 2016 , 55, 3351-63 | 5.1 | 55 |
| 190 | High-efficiency solution-processed OLEDs based on cationic Ag ₆ Cu heteroheptanuclear cluster complexes with aromatic acetylides. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1787-1794 | 7.1 | 35 |
| 189 | Luminescent copper(I) complexes with halogenido-bridged dimeric core. 2016 , 306, 636-651 | | 170 |

| | | | |
|-----|---|-----|----|
| 188 | Rationally Designed Blue Triplet Emitting Gold(III) Complexes Based on a Phenylpyridine-Derived Framework. <i>Chemistry - A European Journal</i> , 2017 , 23, 3837-3849 | 4.8 | 16 |
| 187 | Luminescent Pt(II) complexes featuring imidazolylidenepyridylidene and dianionic bipyrazolate: from fundamentals to OLED fabrications. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1420-1435 | 7.1 | 28 |
| 186 | Blue-Light-Emitting Triazolopyridinium and Triazoloquinolinium Salts. 2017 , 1, 222-229 | | 4 |
| 185 | Facile Approaches to Phosphorescent Bis(cyclometalated) Pentafluorophenyl Pt Complexes: Photophysics and Computational Studies. <i>Chemistry - A European Journal</i> , 2017 , 23, 5758-5771 | 4.8 | 26 |
| 184 | Impact of the number of o-carboranyl ligands on the photophysical and electroluminescent properties of iridium(III) cyclometalates. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3024-3034 | 7.1 | 15 |
| 183 | Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. 2017 , 142, 457-464 | | 11 |
| 182 | Pt(II) Complexes with Azolate-containing Bidentate Chelate: Design, Photophysics, and Application. 2017 , 64, 574-588 | | 13 |
| 181 | Color Tuning of Efficient Electroluminescence in the Blue and Green Regions Using Heteroleptic Iridium Complexes with 2-Phenoxyoxazole Ancillary Ligands. 2017 , 36, 1810-1821 | | 13 |
| 180 | Multichromophoric hybrid species made of perylene bisimide derivatives and Ru(ii) and Os(ii) polypyridine subunits. 2017 , 19, 14055-14065 | | 1 |
| 179 | Thermally Stable Zinc Disalphen Macrocycles Showing Solid-State and Aggregation-Induced Enhanced Emission. <i>Inorganic Chemistry</i> , 2017 , 56, 5688-5695 | 5.1 | 12 |
| 178 | Achieving NIR emission for tetradentate platinum (II) salophen complexes by attaching dual donor-accepter frameworks in the heads of salophen. 2017 , 138, 100-106 | | 15 |
| 177 | Harnessing White-Light Luminescence via Tunable Singlet-and Triplet-Derived Emissions Based on Gold(III) Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 9451-9456 | 4.8 | 27 |
| 176 | 4,5-Substituted C [∧] C* cyclometalated thiazol-2-ylidene platinum(ii) complexes - synthesis and photophysical properties. 2017 , 46, 7800-7812 | | 10 |
| 175 | Copper(I) complexes of N-(2-quinolynylmethylene)-1H-benzimidazole and triphenylphosphine: Synthesis, characterization, luminescence and catalytic properties. 2017 , 466, 122-129 | | 6 |
| 174 | Iridium(III) Complexes for OLED Application. 2017 , 205-274 | | 26 |
| 173 | Phosphorescent Neutral Iridium (III) Complexes for Organic Light-Emitting Diodes. 2017 , 375, 39 | | 33 |
| 172 | Efficient Electroluminescence of Two Heteroleptic Platinum Complexes with a 2-(5-Phenyl-1,3,4-oxadiazol-2-yl)phenol Ancillary Ligand. 2017 , 36, 448-454 | | 11 |
| 171 | Synthesis, photo- and electro-luminescence of novel red phosphorescent Ir(III) complexes with a silsesquioxane core. 2017 , 830, 85-92 | | 3 |

| | | | |
|-----|--|-----|-----|
| 170 | Photoluminescence and electroluminescence of cationic PtAu heterotrinnuclear complexes with aromatic acetylides. 2017 , 46, 865-874 | | 24 |
| 169 | Synthesis, characterization and photophysical properties of a new Cu 2+ selective phosphorescent sensor. 2017 , 853, 42-48 | | 4 |
| 168 | Triaryl-Boron Functionalized Dinuclear Platinum Complexes Linked by Photoisomerizable Bpe Ligand: Luminescence and Isomerism. <i>Inorganic Chemistry</i> , 2017 , 56, 12783-12794 | 5.1 | 10 |
| 167 | Ultrafast Excited-State Dynamics in Cyclometalated Ir(III) Complexes Coordinated with Perylenebisimide and Its Radical Anion Ligands. 2017 , 121, 21184-21198 | | 10 |
| 166 | Synthesis, Structures, and Photophysical Properties of a Series of Rare Near-IR Emitting Copper(I) Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 8996-9008 | 5.1 | 41 |
| 165 | Phosphorescent Iridium(III) Cyclometalates Supported by 2-(1,2-Dihydronaphthalen-4-yl)pyridine Ligand. 2017 , 38, 544-549 | | |
| 164 | Phosphorescent C [∞] C* Cyclometalated Thiazol-2-ylidene Iridium(III) Complexes: Synthesis, Structure, and Photophysics. 2017 , 36, 3016-3018 | | 11 |
| 163 | Luminescence properties of heteroleptic [Ru(H)(CO)(N [∞] N)(tpp) ₂] ⁺ complexes: comparison with their [Os(H)(CO)(N [∞] N)(tpp) ₂] ⁺ analogues. 2017 , 192, 842-852 | | 7 |
| 162 | Pyridylpyrazole N [∞] N ligands combined with sulfonyl-functionalised cyclometalating ligands for blue-emitting iridium(III) complexes and solution-processable PhOLEDs. 2017 , 46, 10996-11007 | | 15 |
| 161 | Theoretical study of excited-state proton transfer of 2,7-diazaindole[(HO) cluster via hydrogen bonding dynamics. 2017 , 187, 163-167 | | 17 |
| 160 | Review: biologically active pyrazole derivatives. 2017 , 41, 16-41 | | 364 |
| 159 | One pot synthesis of low cost emitters with large Stokes' shift. 2017 , 137, 152-164 | | 42 |
| 158 | Highly reliable benzothiophene-phenylquinoline based heteroleptic Ir(III) complexes; The solution process NIR phosphorescence organic light-emitting diodes. 2017 , 654, 62-72 | | 1 |
| 157 | Achieving High-Performance Solution-Processed Orange OLEDs with the Phosphorescent Cyclometalated Trinuclear Pt(II) Complex. 2018 , 10, 10227-10235 | | 45 |
| 156 | Elucidating the Solution-Phase Structure and Behavior of 8-Hydroxyquinoline Zinc in DMSO. 2018 , 122, 2906-2914 | | 3 |
| 155 | Electronic structure and luminescence properties of unique complexes: cyclometalated iridium(III) chelated by o-carboranyl-pyridine ligands. 2018 , 42, 5955-5966 | | 4 |
| 154 | The effect of the embedded o-carborane ligand on the photophysical properties of a cyclometalated Pt(II) complex: a theoretical investigation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1016-1025 | 6.8 | 12 |
| 153 | Diaryl-1,2,3-Triazolylidene Platinum(II) Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 5584-5590 | 4.8 | 25 |

| | | | |
|-----|--|-----|----|
| 152 | Functionalized phenylimidazole-based facial-homoleptic iridium(III) complexes and their excellent performance in blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4565-4572 | 7.1 | 26 |
| 151 | Luminescent osmium(II) complexes with 2-(2-pyridyl)-benzimidazolate anion. 2018 , 89, 27-31 | | 4 |
| 150 | Contextualizing yellow light-emitting electrochemical cells based on a blue-emitting imidazo-pyridine emitter. 2018 , 140, 129-137 | | 34 |
| 149 | A Cu(II) metal-organic framework with significant H ₂ and CO storage capacity and heterogeneous catalysis for the aerobic oxidative amination of C(sp ³)-H bonds and Biginelli reactions. 2018 , 47, 1624-1634 | | 27 |
| 148 | Deuterierter molekularer Rubin mit Rekord-Lumineszenzquantenausbeute. 2018 , 130, 1125-1130 | | 14 |
| 147 | Boron-based donor-spiro-acceptor compounds exhibiting thermally activated delayed fluorescence (TADF). 2018 , 47, 10394-10398 | | 36 |
| 146 | Near-infrared emission of dinuclear iridium complexes with hole/electron transporting bridging and their monomer in solution-processed organic light-emitting diodes. 2018 , 149, 315-322 | | 29 |
| 145 | Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. 2018 , 180, 54-60 | | 26 |
| 144 | Synthesis and photophysical properties of cyclometalated heteroleptic iridium(III) complexes containing pyridyl/isoquinolyl-imino-isoindoline ancillary ligand. 2018 , 30, 328-335 | | 2 |
| 143 | Triplet emitters versus TADF emitters in OLEDs: A comparative study. 2018 , 140, 51-66 | | 54 |
| 142 | Deuterated Molecular Ruby with Record Luminescence Quantum Yield. 2018 , 57, 1112-1116 | | 62 |
| 141 | Cyanide-Assembled d Coordination Polymers and Cycles: Excited State Metallophilic Modulation of Solid-State Luminescence. <i>Chemistry - A European Journal</i> , 2018 , 24, 1404-1415 | 4.8 | 28 |
| 140 | Sublimable cationic Ir(III) phosphor using chlorine as a counterion for high-performance monochromatic and white OLEDs. 2018 , 54, 11761-11764 | | 11 |
| 139 | Simple method for fabricating scattering layer using random nanoscale rods for improving optical properties of organic light-emitting diodes. 2018 , 8, 14311 | | 13 |
| 138 | Synthesis and characterization of a green-light-emitting (pbi-Br) Ir(acac) metal complex for OLEDs. 2018 , 33, 1415-1422 | | 1 |
| 137 | Substituents engineered deep-red to near-infrared phosphorescence from tris-heteroleptic iridium(III) complexes for solution processable red-NIR organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10640-10658 | 7.1 | 34 |
| 136 | Cu(I) vs. Ru(II) photosensitizers: elucidation of electron transfer processes within a series of structurally related complexes containing an extended π -system. 2018 , 20, 24843-24857 | | 37 |
| 135 | Fine-Tuning Electronic Properties of Luminescent Pt(II) Complexes via Vertex-Differentiated Coordination of Sterically Invariant Carborane-Based Ligands. 2018 , 37, 3122-3131 | | 26 |

| | | | |
|-----|---|-----|-----|
| 134 | Density functional theory investigation on iridium(III) complexes for efficient blue electrophosphorescence.. 2018 , 8, 19437-19448 | | 6 |
| 133 | Novel amidine derivatives of benzantrone: Effect of bromine atom on the spectral parameters. 2018 , 202, 41-49 | | 12 |
| 132 | An overview of phosphorescent metallomesogens based on platinum and iridium. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9848-9860 | 7.1 | 32 |
| 131 | The rules and roles of metal-organic framework in combination with molecular dyes. 2018 , 154, 275-294 | | 20 |
| 130 | Small-Molecule Emitters with High Quantum Efficiency: Mechanisms, Structures, and Applications in OLED Devices. <i>Advanced Optical Materials</i> , 2018 , 6, 1800512 | 8.1 | 136 |
| 129 | Effect of fluorine substitution of the β -ketoiminate ancillary ligand on photophysical properties and electroluminescence ability of new iridium(III) complexes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8688-8708 | 7.1 | 6 |
| 128 | Ligand-induced symmetry breaking and concomitant blueshift in the emission wavelength of an octahedral chromium complex. 2018 , 24, 230 | | |
| 127 | Phosphorescence Lifetime Imaging of Labile Zn in Mitochondria via a Phosphorescent Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2018 , 57, 10625-10632 | 5.1 | 20 |
| 126 | Organometallic Fluorophores of d8 Metals (Pd, Pt, Au). 2018 , 69, 73-134 | | 8 |
| 125 | The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyanato Complexes Bearing 2-Benzoxazol-2-ylphenolate. <i>Inorganic Chemistry</i> , 2019 , 58, 11372-11381 | 5.1 | 3 |
| 124 | Triazine-Acceptor-Based Green Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. 2019 , 12, | | 10 |
| 123 | Charge carrier and optoelectronic properties of phenylimidazo[1,5-a]pyridine-containing small molecules at molecular and solid-state bulk scales. 2019 , 170, 109179 | | 15 |
| 122 | A highly fluorescent tri-nuclear boron complex with large Stokes shifts based on tripodal Schiff base: synthesis and photophysical properties. 2019 , 131, 1 | | 1 |
| 121 | Realization of Highly Efficient Red Phosphorescence from Bis-Tridentate Iridium(III) Phosphors. <i>Inorganic Chemistry</i> , 2019 , 58, 10944-10954 | 5.1 | 24 |
| 120 | Synthesis, structure and density functional theory calculations of a novel photoluminescent trisarylborane-bismuth(III) complex. 2019 , 34, 731-738 | | 1 |
| 119 | Decoration of Terpyridine with Electron-Rich Unit THDTAP: an Efficient Way to Explore Fluorescence Sensors for Recognizing Metal Ions. 2019 , 37, 909-914 | | 4 |
| 118 | Luminescent Platinum(II) Complexes of β -Amido Ligands with Benzannulated β -Heterocyclic Donor Arms: Quinolines Offer Unexpectedly Deeper Red Phosphorescence than Phenanthridines. <i>Inorganic Chemistry</i> , 2019 , 58, 14808-14817 | 5.1 | 23 |
| 117 | Aggregation-induced emission triggered by the radiative-transition-switch of a cyclometallated Pt(II) complex. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12552-12559 | 7.1 | 21 |

| | | | |
|-----|--|-----|----|
| 116 | Two platinum(ii) complexes with a 4-phenyl-4H-1,2,4-triazole derivative as an ancillary ligand for efficient green OLEDs. 2019 , 48, 1892-1899 | | 6 |
| 115 | A cyclometalating organic ligand with an Iridium center toward dramatically improved photovoltaic performance in organic solar cells. 2019 , 55, 2640-2643 | | 19 |
| 114 | Fluorenone-based thermally activated delayed fluorescence materials for orange-red emission. 2019 , 73, 240-246 | | 7 |
| 113 | Electronic absorption and emission properties of bishydrazone [2 + 2] metallocsupramolecular grid-type architectures. 2019 , 494, 223-231 | | 11 |
| 112 | New Type of Eco-Friendly Polymeric Dye by Covalently Bonding Anthraquinone into Polyphenylsulfone. 2019 , 304, 1800692 | | 4 |
| 111 | Homoleptic platinum(II) complexes with pyridyltriazole ligands: excimer-forming phosphorescent emitters for solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6592-6606 | 7.1 | 12 |
| 110 | Novel Bis(2-cyanoketene-S,S-/S,N-acetals): Versatile Precursors for Novel Bis(aminopyrazole) Derivatives. 2019 , 56, 1581-1587 | | 5 |
| 109 | Modulating the blue shift of phosphorescence with fluorine-free group in iridium (III) complexes. 2019 , 210, 479-484 | | 3 |
| 108 | Almost complete radiationless energy transfer from excited triplet state of a dim phosphor to a covalently linked adjacent fluorescent dye in purely organic tandem luminophores doped into PVA matrix. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6571-6577 | 7.1 | 6 |
| 107 | Ancillary ligand-assisted robust deep-red emission in iridium(III) complexes for solution-processable phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4143-4154 | 7.1 | 14 |
| 106 | Novel sky blue heteroleptic iridium(III) complexes with finely-optimized emission spectra for highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5579-5583 | 7.1 | 5 |
| 105 | Alkyloxy modified pyrene fluorophores with tunable photophysical and crystalline properties. 2019 , 43, 6361-6371 | | 6 |
| 104 | Low Internal Reorganization Energy of the Metal-to-Ligand Charge Transfer Emission in Dimeric Pt(II) Complexes. 2019 , 123, 10225-10236 | | 24 |
| 103 | Monocationic Iridium(III) Complexes with Far-Red Charge-Transfer Absorption and Near-IR Emission: Synthesis, Photophysics, and Reverse Saturable Absorption. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2208-2215 | 2.3 | 12 |
| 102 | Tuning solid-state fluorescence of a novel group D- π A chromophores with a reactive hydroxytricyanopyrrole (HTCP) acceptor. 2019 , 165, 451-457 | | 10 |
| 101 | Emissive Iridium(III) Complexes with Phosphorous-Containing Ancillary. 2019 , 19, 1644-1666 | | 11 |
| 100 | Halogen substituent effect on the water-assisted excited-state tautomerization of 2,7-diazaindole-HO complex in aqueous solution: A theoretical study. 2019 , 214, 152-160 | | 9 |
| 99 | Design of Luminescent, Heteroleptic, Cyclometalated Pt and Pt Complexes: Photophysics and Effects of the Cyclometalated Ligands. <i>Chemistry - A European Journal</i> , 2019 , 25, 5514-5526 | 4.8 | 14 |

| | | | |
|----|---|-----|----|
| 98 | Dinuclear Design of a Pt(II) Complex Affording Highly Efficient Red Emission: Photophysical Properties and Application in Solution-Processible OLEDs. 2019 , 11, 8182-8193 | | 43 |
| 97 | Dual function luminescent transition metal complexes for cancer theranostics: The combination of diagnosis and therapy. 2019 , 381, 79-103 | | 70 |
| 96 | Mixed Lead-Tin Halide Perovskites for Efficient and Wavelength-Tunable Near-Infrared Light-Emitting Diodes. 2019 , 31, e1806105 | | 37 |
| 95 | Macroscale Biomolecular Electronics and Ionics. 2019 , 31, e1802221 | | 53 |
| 94 | Experimental and density functional theory insights into the effect of withdrawing ligands on the fluorescence yield of Ru(II)-based complexes. 2019 , 33, e4677 | | 6 |
| 93 | Concentration dependent evolution of aggregates formed by chlorinated and non-chlorinated perylene tetracarboxylic acid esters in pure spin-coated films and in a PMMA matrix. 2019 , 206, 132-145 | | 3 |
| 92 | Luminescent oligonuclear metal complexes and the use in organic light-emitting diodes. 2019 , 378, 121-133 | | 61 |
| 91 | Blue thermally activated delayed fluorescence emitter using modulated triazines as electron acceptors. 2020 , 172, 107864 | | 14 |
| 90 | Dinuclear Ir(III) complex based on different flanking and bridging cyclometalated ligands: An impressive molecular framework for developing high performance phosphorescent emitters. 2020 , 391, 123505 | | 6 |
| 89 | Tetrafluorinated phenylpyridine based heteroleptic iridium(III) complexes for efficient sky blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2551-2557 | 7.1 | 9 |
| 88 | Manganese Catalyzed Acceptorless Dehydrogenative Coupling Reactions. 2020 , 12, 1891-1902 | | 37 |
| 87 | Highly efficient blue-emitting of bis-cyclometalated tetravalent platinum (IV) complexes: A theoretical study. 2020 , 501, 119269 | | 3 |
| 86 | Tetradentate Platinum(II) Emitters: Design Strategies, Photophysics, and OLED Applications. 2020 , | | |
| 85 | Acceptor plane expansion enhances horizontal orientation of thermally activated delayed fluorescence emitters. 2020 , 6, | | 47 |
| 84 | Intriguing Turn-on Phosphorescent response in the near infrared region upon fluoride binding: Dipyrrromethene chelating-based Triarylboron-Iridium(III) conjugates. 2020 , 183, 108706 | | 4 |
| 83 | New blue phosphorescent heteroleptic Ir(III) complexes with imidazole- and N-methylimidazole carboxylates as ancillary ligands. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13843-13851 | 7.1 | 5 |
| 82 | Modification of Luminescence from Dual-Emission Molecules by Plasmonic Surfaces. 2020 , 124, 17218-17226 | | |
| 81 | Exploration of pyrazole based aldo-x bifunctional building blocks for the synthesis of pyrazole annulated molecular architectures. 2020 , 57, 3735-3762 | | 1 |

| | | | |
|----|--|-----|----|
| 80 | Transition Metal Complexes as Photofunctional Materials From Photosensitization and Photochromism to Artificial Photosynthesis and Energy Applications. 2020 , 2-2 | | 1 |
| 79 | A theoretical study on water-assisted excited state double proton transfer process in substituted 2,7-diazaindole-H ₂ O complex. 2020 , 139, 1 | | 6 |
| 78 | From homonuclear to heteronuclear: a viable strategy to promote and modulate phosphorescence. 2020 , 56, 10607-10620 | | 7 |
| 77 | Phosphorescent Tris-Bidentate Ir(III) Complexes with N-Heterocyclic Carbene Scaffolds: Structural Diversity and Optical Properties. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3427-3442 | 2.3 | 19 |
| 76 | Naphthalene Benzimidazole Based Neutral Ir(III) Emitters for Deep Red Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2020 , 59, 12461-12470 | 5.1 | 6 |
| 75 | ReSpect: Relativistic spectroscopy DFT program package. 2020 , 152, 184101 | | 41 |
| 74 | Improving the optical properties of organic light-emitting diodes using random nanoscale rods with a double refractive index. 2020 , 31, 335205 | | 1 |
| 73 | Aggregation-induced phosphorescence enhancement in deep-red and near-infrared emissive iridium(III) complexes for solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4789-4800 | 7.1 | 16 |
| 72 | Performance of TDDFT Vertical Excitation Energies of Core-Substituted Naphthalene Diimides. 2020 , 41, 1448-1455 | | 13 |
| 71 | Efficient Deep Blue Platinum Acetylide Phosphors with Acyclic Diaminocarbene Ligands. <i>Chemistry - A European Journal</i> , 2020 , 26, 16028-16035 | 4.8 | 8 |
| 70 | Two novel neutral and ionic Ir(III) complexes based on the same bipolar main ligand: a comparative study of their photophysical properties and applications in solution-processed red organic light-emitting diodes. 2020 , 44, 11310-11315 | | 1 |
| 69 | Rational Design of Efficient Organometallic Ir(III) Complexes for High-Performance, Flexible, Monochromatic, and White Light-Emitting Electrochemical Cells. 2020 , 12, 4649-4658 | | 12 |
| 68 | Noncrystallizable Charge-Transporting Hosts for Phosphorescent Organic Light Emitting Diodes: Decreased Emitter Aggregation. 2020 , 14, 1900713 | | |
| 67 | Monodentate Benzo[d]imidazole-Based Iridium(III) Complexes and Their Dual Fluorescent and Phosphorescent Emissions. 2020 , 41, 176-183 | | 1 |
| 66 | Sky-blue iridium complexes with pyrimidine ligands for highly efficient phosphorescent organic light-emitting diodes. 2020 , 44, 8743-8750 | | 7 |
| 65 | New difluoroboron complexes based on N,O-chelated Schiff base ligands: Synthesis, characterization, DFT calculations and photophysical and electrochemical properties. 2020 , 224, 117262 | | 13 |
| 64 | Improving the Performance of Blue Polymer Light-Emitting Diodes Using a Hole Injection Layer with a High Work Function and Nanotexture. 2020 , 12, 20750-20756 | | 5 |
| 63 | An exploration of the optoelectronic nature of 4,4-difluoro-8-(C ₄ H ₃ X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems. 2021 , 20, 368-376 | | 1 |

| | | | |
|----|---|-----|---|
| 62 | Green-Blue Phosphorescent Iridium(III) Complexes with Near Unitary Quantum Yield. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 601-604 | 2.3 | 0 |
| 61 | Tetradentate N ^N N ^N -type luminophores for Pt(II) complexes: Synthesis, photophysical and quantum-chemical investigation. 2021 , 518, 120090 | | 0 |
| 60 | Synthesis, and the optical and electrochemical properties of a series of push-pull dyes based on the 4-(9-ethyl-9H-carbazol-3-yl)-4-phenylbuta-1,3-dienyl donor. 2021 , 45, 5808-5821 | | 3 |
| 59 | Molecular design tactics enhancing the negative polaron stability of a p-type host for long device lifetime by fusion of carbazole with furan. <i>Journal of Materials Chemistry C</i> , | 7.1 | |
| 58 | IMPROVEMENT OF SURFACE POTENTIAL ENERGY OF INDIUM TIN OXIDE THIN FILM MODIFIED WITH ORGANIC SEMICONDUCTOR MATERIAL BASED ON PHENYL GROUP. 2021 , 28, 2150043 | | |
| 57 | Phosphorescent Soft Salt Based on Platinum(II) Complexes: Photophysics, Self-Assembly, Thermochromism, and Anti-counterfeiting Application. <i>Inorganic Chemistry</i> , 2021 , 60, 7510-7518 | 5.1 | 9 |
| 56 | 25-3: Machine-Learning-Assisted Materials Discovery of Blue Emitter for More Efficient and Durable OLED Device. 2021 , 52, 314-316 | | 1 |
| 55 | Appraisal of Structural, Thermal, and Optical Properties of Novel Bluish-Violet Light-Emitting Cyclometallated Iridium (III) (Cl-H-DPQ)2Ir(acac) Complex for OLED Devices. 2021 , 10, 076006 | | 1 |
| 54 | Alkali-doping of mixed tin-lead perovskites for efficient near-infrared light-emitting diodes. 2021 , 67, 54-54 | | 2 |
| 53 | Developing Efficient Dinuclear Pt(II) Complexes Based on the Triphenylamine Core for High-Efficiency Solution-Processed OLEDs. 2021 , 13, 36020-36032 | | 0 |
| 52 | Substituted Pyrazoles and Their Heteroannulated Analogs-Recent Syntheses and Biological Activities. 2021 , 26, | | 2 |
| 51 | Organic Light-Emitting Diodes Based on Luminescent Self-Assembled Materials of Copper(I). | | 9 |
| 50 | Selective Heavy Atom Effect Forming Photosensitizing Hot Spots in Double-Stranded DNA Matrix. 2021 , 12, 9205-9212 | | 0 |
| 49 | An Air- and Water-Stable B ₄ N ₄ -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. 2021 , 133, 24005 | | 1 |
| 48 | Saccharin-derived multifunctional emitters featuring concurrently room temperature phosphorescence, thermally activated delayed fluorescence and aggregation-induced enhanced emission. 2021 , 419, 129628 | | 4 |
| 47 | An Air- and Water-Stable B ₃ N ₃ -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. 2021 , 60, 23812-23818 | | 3 |
| 46 | Synthesis, optical and electrochemical properties of a series of push-pull dyes based on the 4,4-bis(4-methoxy phenyl)butadienyl donor. 2021 , 194, 109552 | | 2 |
| 45 | New blue phosphorescent Pt(II) complex with pyridyltriazole-based tetradentate ligand for organic light-emitting diodes. 2021 , 98, 106300 | | 0 |

| | | | |
|----|--|-----|----|
| 44 | Excited state hydrogen atom transfer pathways in 2,7-diazaindole - S (S=HO and NH) clusters. 2022 , 265, 120386 | | 1 |
| 43 | High-efficiency solution-processed light-emitting diode based on a phosphorescent Ag ₃ Cu ₅ cluster complex. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5528-5534 | 7.1 | 3 |
| 42 | Probing the effect of substituent groups in Ir(III) bis-tridentate complexes during deep-blue phosphorescent illuminating. 2020 , 84, 105803 | | 1 |
| 41 | Homoleptic Tris-Cyclometalated Iridium Complexes with Substituted o-Carboranes: Green Phosphorescent Emitters for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 909-17 | 5.1 | 59 |
| 40 | Photophysics of transition metal complexes. 234-274 | | 4 |
| 39 | Influence of substituents on DNA and protein binding of cyclometalated Ir(III) complexes and anticancer activity. 2017 , 46, 8572-8585 | | 30 |
| 38 | Manipulation of Absorption Maxima by Controlling Oxidation Potentials in Bis(tridentate) Ru(II) N-Heterocyclic Carbene Complexes. 2014 , 35, 448-456 | | 5 |
| 37 | Recent Developments of 'Real Practical' Organic Luminescent Materials. 2012 , 70, 465-472 | | 7 |
| 36 | Probing Electron Excitation Characters of Carboline-Based Bis-Tridentate Ir(III) Complexes. 2021 , 26, | | 1 |
| 35 | Evaluation of a new series of pyrazole derivatives as a potent epidermal growth factor receptor inhibitory activity: QSAR modeling using quantum-chemical descriptors. 2021 , 42, 2306-2320 | | 0 |
| 34 | DFT and Time-dependant DFT Investigation of eElectronic Structure, Phosphorescence and Electroluminescence Properties of Iridium (III) Quinoxaline Complexes. 2011 , 55, 354-363 | | |
| 33 | Isomerism and cyclodimerism of (Me ₄ en)platinum(II) complex containing diallylmalonate ligand. 2018 , 87, 40-43 | | |
| 32 | Luminescent 2-phenylbenzothiazole cyclometalated Pt and Ir complexes with chelating P=O ligands. 2021 , | | 1 |
| 31 | Unusual Alternating Crystallization-Induced Emission Enhancement Behavior in Nonconjugated Phenylalkyl Tropylium Salts. 2021 , 143, 20384-20394 | | 3 |
| 30 | Efficient Narrowband Electroluminescence based on a Hetero-Bichromophore Thermally Activated Delayed Fluorescence Dyad. <i>Journal of Materials Chemistry C</i> , | 7.1 | 1 |
| 29 | Time-Resolved X-Ray Spectroscopy to Study Luminophores with Relevance for OLEDs. | | |
| 28 | Structure-based design of novel pyrazolylchalcones as anti-cancer and antimicrobial agents: synthesis and in vitro studies. 2022 , 153, 211 | | 3 |
| 27 | Anticancer activity of novel 3-(furan-2-yl)pyrazolyl and 3-(thiophen-2-yl)pyrazolyl hybrid chalcones: Synthesis and in vitro studies.. <i>Archiv Der Pharmazie</i> , 2021 , e2100381 | 4.3 | 5 |

| | | | |
|----|--|-----|---|
| 26 | Influence of emission bandwidth by charge transfer strength for the multiple-resonance emitters via systematically tuning the electron acceptor-donor assembly. <i>Journal of Materials Chemistry C</i> , | 7.1 | 0 |
| 25 | A tricolor-switchable stimuli-responsive luminescent binuclear Cu(I) complex with switchable NHO interactions. <i>Inorganic Chemistry Frontiers</i> , | 6.8 | 0 |
| 24 | Dinuclear Pt(II) Complexes with Red and NIR Emission Governed by Ligand Control of the Intramolecular Pt-Pt Distance.. <i>Inorganic Chemistry</i> , 2022 , | 5.1 | 3 |
| 23 | Iridium(III) Phosphors Bearing Functional 9-Phenyl-7,9-dihydro-8H-purin-8-ylidene Chelates and Blue Hyperphosphorescent OLED Devices. <i>Advanced Photonics Research</i> , 2100381 | 1.9 | 3 |
| 22 | A Promising Multifunctional Deep-Blue Fluorophor for High-Performance Monochromatic and Hybrid White OLEDs with Superior Efficiency/Color Stability and Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2022 , 10, 2101920 | 8.1 | 1 |
| 21 | Photochromic materials. 2022 , | | |
| 20 | Azolate-based osmium(II) complexes with luminescence spanning visible and near infrared region. <i>European Journal of Inorganic Chemistry</i> , | 2.3 | 0 |
| 19 | A bis-heteroleptic imidazolium-bipyridine functionalized iridium(III) complex for fluorescence lifetime-based recognition and sensing of phosphates. <i>Chemistry - an Asian Journal</i> , | 4.5 | 1 |
| 18 | Rational Molecular Design of TADF Emitters towards Highly Efficient Yellow Electroluminescence with nearly 30% External Quantum Efficiency and Low Roll-Off. <i>Journal of Materials Chemistry C</i> , | 7.1 | 0 |
| 17 | An Overview of Synthetic Routes of Pharmaceutically Important Pyranopyrazoles... <i>Current Medicinal Chemistry</i> , 2022 , 29, | 4.3 | |
| 16 | Time-Resolved Luminescent Sensing and Imaging for Enzyme Catalytic Activity Based on Responsive Probes. <i>Chemistry - an Asian Journal</i> , | 4.5 | |
| 15 | High-performance non-doped near ultraviolet OLEDs with the EQE of 16% and CIEy of 0.03 from high-lying reverse intersystem crossing. 2022 , 450, 138339 | | 1 |
| 14 | Selective nucleophilic aromatic substitution of 2-(polyfluorophenyl)-4H-chromen-4-ones with pyrazole. 2022 , 263, 110034 | | 0 |
| 13 | Acid-base-induced fac -> mer isomerization of luminescent iridium(iii) complexes. 2022 , 13, 10370-10374 | | 0 |
| 12 | A first principles examination of phosphorescence. 2022 , 12, 25440-25448 | | 0 |
| 11 | Visible-emitting Cu(i) complexes with N-functionalized benzotriazole-based ligands. | | 0 |
| 10 | d-d and charge transfer photochemistry of 3d metal complexes. 2022 , | | 0 |
| 9 | Orthogonal conformation regulation enables highly efficient phosphorescence emission in BODIPY-fluorene derivatives without heavy atoms. 2022 , 110791 | | 1 |

- 8 Luminescent Chugaev-type Cyclometalated Iridium(III) Complexes Synthesized by Nucleophilic Addition of Hydrazine. **2022**, 122561
- 7 Optimized route to synthesize isoelectronic and isostructural Au(III)- and Pt(II)-NHC complexes: synthesis, structure, spectral properties, electrochemistry, and molecular docking studies. **2022**, 47, 284-296
- 6 Phosphorescent cyclometalated platinum(II) complexes with phenyldiazine N^C ligands.
- 5 Phosphorescent organic light-emitting devices: Iridium based emitter materials An overview. **2023**, 483, 215100
- 4 A theoretical study of a series of iridium complexes with methyl or nitro-substituted 2-(4-fluorophenyl)pyridine ligands with the low-efficiency roll-off performance. **2023**, 820, 140465
- 3 RedGreenBlueYellow (RGBY) magnetic circularly polarized electroluminescence from iridium(III)-magnetic circularly polarized organic light-emitting diodes. **2023**, 119, 106814
- 2 Applications of phosphorescent organic light emitting diodes. 26, 52-58
- 1 An efficient metal-free and catalyst-free C₃/C₄ bond-formation strategy: synthesis of pyrazole-conjugated thioamides and amides. 19, 231-244