# Sang Ook Kang

List of Publications by Year
in descending order

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|---|---|---|---|
| 110 papers | 3,902 citations | 109321 35 h-index | 144013 57 g-index |
| 113 all docs | 113 docs citations | 113 times ranked | 4058 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Carborane-Based Optoelectronically Active Organic Molecules: Wide Band Gap Host Materials for Blue Phosphorescence. Journal of the American Chemical Society, 2012, 134, 17982-17990. | 13.7 | 224 |
| 2 | Carborane Photochemistry Triggered by Aryl Substitution: Carboraneâ€Based Dyads with Phenyl Carbazoles. Angewandte Chemie - International Edition, 2012, 51, 2677-2680. | 13.8 | 216 |
| 3 | Multiple Photoluminescence from 1,2â€Dinaphthylâ€orthoâ€Carborane. Angewandte Chemie - International Edition, 2013, 52, 9682-9685. | 13.8 | 144 |
| 4 | Highly Robust Hybrid Photocatalyst for Carbon Dioxide Reduction: Tuning and Optimization of Catalytic Activities of Dye/TiO<sub>2</sub>/Re(I) Organicâ€“Inorganic Ternary Systems. Journal of the American Chemical Society, 2015, 137, 13679-13690. | 13.7 | 139 |
| 5 | Stepwise Cosensitization of Nanocrystalline TiO<sub>2</sub> Films Utilizing Al<sub>2</sub>O<sub>3</sub> Layers in Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2008, 47, 8259-8263. | 13.8 | 137 |
| 6 | A polymer gel electrolyte to achieve â‰¥6% power conversion efficiency with a novel organic dye incorporating a low-band-gap chromophore. Journal of Materials Chemistry, 2008, 18, 5223. | 6.7 | 136 |
| 7 | Widely Controllable Syngas Production by a Dyeâ€Sensitized TiO<sub>2</sub> Hybrid System with Re<sup>I</sup> and Co<sup>III</sup> Catalysts under Visibleâ€Light Irradiation. Angewandte Chemie - International Edition, 2017, 56, 976-980. | 13.8 | 94 |
| 8 | Steric Influence on the Reactivity of the (o-Carboranedithiolato)iridium(III) Complex [Ir(Î·5-C5Me5)(Î·2-S2C2B10H10)]:Â New Types of Addition Reactions Involving Cyclometalation or Isomerizationâ€. Organometallics, 2000, 19, 1514-1521. | 2.3 | 87 |
| 9 | Development of a Lower Energy Photosensitizer for Photocatalytic CO<sub>2</sub> Reduction: Modification of Porphyrin Dye in Hybrid Catalyst System. ACS Catalysis, 2018, 8, 1018-1030. | 11.2 | 84 |
| 10 | Carborane Dyads for Photoinduced Electron Transfer: Photophysical Studies on Carbazole and Phenylâ€oâ€carborane Molecular Assemblies. Chemistry - A European Journal, 2014, 20, 5953-5960. | 3.3 | 80 |
| 11 | Intriguing emission properties of triphenylamineâ€“carborane systems. Physical Chemistry Chemical Physics, 2015, 17, 15679-15682. | 2.8 | 74 |
| 12 | Aggregation-induced emission of diarylamino-Ï€-carborane triads: effects of charge transfer and Ï€-conjugation. Physical Chemistry Chemical Physics, 2016, 18, 9702-9708. | 2.8 | 72 |
| 13 | Significance of Hydrophilic Characters of Organic Dyes in Visible-Light Hydrogen Generation Based on TiO<sub>2</sub>. Organic Letters, 2010, 12, 460-463. | 4.6 | 65 |
| 14 | High-turnover visible-light photoreduction of CO<sub>2</sub> by a Re(<scp>i</scp>) complex stabilized on dye-sensitized TiO<sub>2</sub>. Chemical Communications, 2014, 50, 4462-4464. | 4.1 | 62 |
| 15 | Synthesis and reactivity of an efficient 1,2-dehydrocarborane precursor, phenyl[o-(trimethylsilyl)carboranyl]iodonium acetate. Chemical Communications, 2001, , 2110-2111. | 4.1 | 61 |
| 16 | Bimetallic Ethylene Tetramerization Catalysts Derived from Chiral DPPDME Ligands: Syntheses, Structural Characterizations, and Catalytic Performance of [(DPPDME)CrCl<sub>3</sub>]<sub>2</sub> (DPPDME = S,S- and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 132 Td (R | 2.3 | 61 |
| 17 | Asymmetric anthracene-based blue host materials: synthesis and electroluminescence properties of 9-(2-naphthyl)-10-arylanthracenes. Journal of Materials Chemistry, 2011, 21, 1115-1123. | 6.7 | 59 |
| 18 | Highly Selective and Durable Photochemical CO<sub>2</sub> Reduction by Molecular Mn(I) Catalyst Fixed on a Particular Dye-Sensitized TiO<sub>2</sub> Platform. ACS Catalysis, 2019, 9, 2580-2593. | 11.2 | 58 |

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|---|---|---|---|
| 19 | Rapid Exciton Migration and Amplified Funneling Effects of Multi-Porphyrin Arrays in a Re(I)/Porphyrinic MOF Hybrid for Photocatalytic CO<sub>2</sub> Reduction. ACS Applied Materials & Interfaces, 2021, 13, 2710-2722. | 8.0 | 58 |
| 20 | Inorganometallic Photocatalyst for CO<sub>2</sub> Reduction. Accounts of Chemical Research, 2021, 54, 4530-4544. | 15.6 | 57 |
| 21 | Rational Design, Synthesis, and Characterization of Deep Blue Phosphorescent Ir(III) Complexes Containing (4â€²-Substituted-2â€²-pyridyl)-1,2,4-triazole Ancillary Ligands. Journal of Organic Chemistry, 2013, 78, 8054-8064. | 3.2 | 53 |
| 22 | Electronic Optimization of Heteroleptic Ru(II) Bipyridine Complexes by Remote Substituents: Synthesis, Characterization, and Application to Dye-Sensitized Solar Cells. Inorganic Chemistry, 2011, 50, 3271-3280. | 4.0 | 51 |
| 23 | Hydrophilicity Control of Visibleâ€Light Hydrogen Evolution and Dynamics of the Chargeâ€Separated State in Dye/TiO<sub>2</sub>/Pt Hybrid Systems. Chemistry - A European Journal, 2012, 18, 15368-15381. | 3.3 | 50 |
| 24 | Influence of Ï€-conjugation structural changes on intramolecular charge transfer and photoinduced electron transfer in donorâ€“Ï€â€“acceptor dyads. Physical Chemistry Chemical Physics, 2017, 19, 426-435. | 2.8 | 47 |
| 25 | Synthesis and Double-Silylation Reactions of a P2PtSi2Complex Containing ano-Carboranylene. Organometallics, 2000, 19, 1216-1224. | 2.3 | 45 |
| 26 | Synthesis and Reactivity of Organotin Compounds Containing the C,P-Chelatingo-Carboranylphosphino Ligand [o-C2B10H10PPh2-C,P](CabC,P). X-ray Structures of (CabC,CH2P)SnMe2Br, [(CabC,P)SnMe2]2Pd, and [(CabC,P)SnMe2]Pd(PEt3)Cl. Organometallics, 2001, 20, 741-748. | 2.3 | 45 |
| 27 | Stable Blue Phosphorescence Iridium(III) Cyclometalated Complexes Prompted by Intramolecular Hydrogen Bond in Ancillary Ligand. Inorganic Chemistry, 2016, 55, 3324-3331. | 4.0 | 44 |
| 28 | Photosensitization Behavior of Ir(III) Complexes in Selective Reduction of CO2 by Re(I)-Complex-Anchored TiO2 Hybrid Catalyst. Inorganic Chemistry, 2017, 56, 12042-12053. | 4.0 | 43 |
| 29 | Efficient catalytic conversion of ammonia borane to borazine and its use for hexagonal boron nitride (white graphene). Journal of Materials Chemistry A, 2013, 1, 1976-1981. | 10.3 | 40 |
| 30 | Growth kinetics of white graphene (h-BN) on a planarised Ni foil surface. Scientific Reports, 2015, 5, 11985. | 3.3 | 40 |
| 31 | A Bis(silyl)nickel Complex Containing an o-Carboranylene and Its Application in Facile Double Silylation of Alkynes and Alkenes. Organometallics, 2000, 19, 1722-1728. | 2.3 | 39 |
| 32 | Molecular engineering of hybrid sensitizers incorporating an organic antenna into ruthenium complex and their application in solar cells. New Journal of Chemistry, 2008, 32, 2233. | 2.8 | 39 |
| 33 | Unusual Double Silylation Reaction of a PtSi2P2 Complex with an o-Carboranyl Unit. Organometallics, 1999, 18, 1818-1820. | 2.3 | 36 |
| 34 | Probing photophysical properties of isomeric N-heterocyclic carbene Ir(<scp>iii</scp>) complexes and their applications to deep-blue phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 1651-1659. | 5.5 | 35 |
| 35 | Electronic Alteration on Oligothiophenes by o-Carborane: Electron Acceptor Character of o-Carborane in Oligothiophene Frameworks with Dicyano-Vinyl End-On Group. Journal of Organic Chemistry, 2015, 80, 4573-4580. | 3.2 | 34 |
| 36 | Direct observation of the photoinduced electron transfer processes of bis(4-arylphenylamino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T<br>Chemical Physics, 2017, 19, 24485-24492. | 2.8 | 34 |

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|---|---|---|---|
| 37 | Enhanced Charge-Carrier Mobility Derived from Cyclization of a Silanylene Unit on Dithienosiloles: Syntheses, Photophysical Properties, and Device Fabrication of Dithieno-spiro-siloles. Organometallics, 2008, 27, 2464-2473. | 2.3 | 33 |
| 38 | Ligand-to-ligand charge transfer in heteroleptic Ir-complexes: comprehensive investigations of its fast dynamics and mechanism. Physical Chemistry Chemical Physics, 2016, 18, 15162-15169. | 2.8 | 33 |
| 39 | BODIPY functionalized o-carborane dyads for low-energy photosensitization. Dalton Transactions, 2015, 44, 2780-2787. | 3.3 | 32 |
| 40 | Half-Metallocene Titanium(IV) Phenyl Phenoxide for High Temperature Olefin Polymerization: Ortho-Substituent Effect at Ancillary o-Phenoxy Ligand for Enhanced Catalytic Performance. Macromolecules, 2009, 42, 6932-6943. | 4.8 | 31 |
| 41 | The influence of Ï€-conjugation on competitive pathways: charge transfer or electron transfer in new Dâ€“Ï€â€“A and Dâ€“Ï€â€“Siâ€“Ï€â€“A dyads. Physical Chemistry Chemical Physics, 2016, 18, 22921-22928. | 2.8 | 29 |
| 42 | Thiosemicarbazone Complexes of Indium with New Modes of Coordination:Â X-ray Crystal Structure of {(Me2In)2[NC5H4CMeNNC(S)NC6H5]2}(InMe). Organometallics, 1997, 16, 4755-4758. | 2.3 | 27 |
| 43 | Stereoselective Hydroboration of Diynes and Triyne to Give Products Containing Multiple Vinylene Bridges:Â A Versatile Application to Fluorescent Dyes and Light-Emitting Copolymers. Organometallics, 2004, 23, 4569-4575. | 2.3 | 27 |
| 44 | Highly Efficient Hydrosilylation of Diyne and Triyne Ï€-Electron Bridges:â€‰ Its Application to Fluorescent Dyes and Silylene-Spaced Vinylarene Compounds. Organometallics, 2004, 23, 4184-4191. | 2.3 | 27 |
| 45 | A three-dimensional Ï€-electron acceptor, tri-phenyl-o-carborane, bearing a rigid conformation with end-on phenyl units. Chemical Communications, 2013, 49, 9398. | 4.1 | 27 |
| 46 | Organicâ€“inorganic hybrid photocatalyst for carbon dioxide reduction. Faraday Discussions, 2017, 198, 337-351. | 3.2 | 27 |
| 47 | New Types of Base-Stabilized Alkyl Aluminum, Gallium, and Indium Complexes. Organometallics, 2000, 19, 4036-4042. | 2.3 | 26 |
| 48 | Systematic Electronic Control in Ambipolar Compounds Optimizes Their Photoluminescence Properties: Synthesis, Characterization, and Device Fabrication of Four-Coordinate Boron Compounds Containing anN,O-Chelating Oxazolylphenolate Ligand. European Journal of Inorganic Chemistry, 2009, 2009, 1503-1513. | 2.0 | 26 |
| 49 | A detailed investigation of light-harvesting efficiency of blue color emitting divergent iridium dendrimers with peripheral phenylcarbazole units. Physical Chemistry Chemical Physics, 2014, 16, 4510-4521. | 2.8 | 26 |
| 50 | Steric effect on excimer formation in planar Pt(<scp>ii</scp>) complexes. Physical Chemistry Chemical Physics, 2017, 19, 5486-5494. | 2.8 | 26 |
| 51 | Widely Controllable Syngas Production by a Dyeâ€Sensitized TiO<sub>2</sub> Hybrid System with Re<sup>I</sup> and Co<sup>III</sup> Catalysts under Visibleâ€Light Irradiation. Angewandte Chemie, 2017, 129, 996-1000. | 2.0 | 25 |
| 52 | Photoinduced Electron Transfer in a BODIPY-ortho-Carborane Dyad Investigated by Time-Resolved Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 3391-3397. | 2.5 | 25 |
| 53 | Utility of Squaraine Dyes for Dye-Sensitized Photocatalysis on Water or Carbon Dioxide Reduction. ACS Omega, 2019, 4, 14272-14283. | 3.5 | 25 |
| 54 | Photodynamic Behavior of Heteroleptic Ir(III) Complexes with Carbazole-Functionalized Dendrons Associated with Efficient Electron Transfer Processes. Journal of Physical Chemistry C, 2012, 116, 1973-1986. | 3.1 | 24 |

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|---|---|---|---|
| 55 | Efficient Light Harvesting and Energy Transfer in a Red Phosphorescent Iridium Dendrimer. Inorganic Chemistry, 2014, 53, 13136-13141. | 4.0 | 24 |
| 56 | Substituent position engineering of diphenylquinoline-based Ir(<scp>iii</scp>) complexes for efficient orange and white PhOLEDs with high color stability/low efficiency roll-off using a solution-processed emission layer. Journal of Materials Chemistry C, 2016, 4, 113-120. | 5.5 | 24 |
| 57 | Important role of ancillary ligand in the emission behaviours of blue-emitting heteroleptic Ir(<scp>iii</scp>) complexes. Journal of Materials Chemistry C, 2017, 5, 4480-4487. | 5.5 | 24 |
| 58 | o-Carboranyl derivatives of 1,3,5-s-triazines: structures, properties andin vitro activities. Applied Organometallic Chemistry, 2003, 17, 539-548. | 3.5 | 23 |
| 59 | Titanium Complexes Incorporating 1,1-Bis(tert-butylamido)-1-silacycloalkane Ligands:Â Generation of Alkyl Derivatives and Reactivity toward Molecular Oxygen. Organometallics, 2004, 23, 559-567. | 2.3 | 22 |
| 60 | Unusual Coordination Chemistry of Organoaluminum and -gallium Complexes in N2S and NS Coordination Environments. Synthesis and Crystal Structure of (Me2Al)[NC5H4CMeNNC(S)NC3H7](AlMe2) and (Me2Ga)[PhMeCNNC(S)NPh](GaMe2). Organometallics, 1997, 16, 2110-2115. | 2.3 | 21 |
| 61 | Bis(4-(4,5-diphenyl-4H-1,2,4-triazol-3-yl)phenyl)dimethylsilane as Electron-Transport Material for Deep Blue Phosphorescent OLEDs. Journal of Physical Chemistry Letters, 2010, 1, 295-299. | 4.6 | 21 |
| 62 | Phenylene-Bridged Cp/Carboxamide Ligands for Titanium Complexes of Various Binding Modes and Their Ethylene/1-Octene Copolymerization. Organometallics, 2006, 25, 5122-5130. | 2.3 | 20 |
| 63 | Intermolecular peripheral 2,5-bipyridyl interactions by cyclization of 1,1â€²-silanylene unit of 2,3,4,5-aryl substituted siloles: enhanced thermal stability, high charge carrier mobility, and their application to electron transporting layers for OLEDs. Journal of Materials Chemistry, 2009, 19, 8964. | 6.7 | 20 |
| 64 | Quantum dot photolithography using a quantum dot photoresist composed of an organicâ€“inorganic hybrid coating layer. Nanoscale Advances, 2022, 4, 1080-1087. | 4.6 | 20 |
| 65 | The effect of interligand energy transfer on the emission spectra of heteroleptic Ir complexes. Physical Chemistry Chemical Physics, 2017, 19, 8778-8786. | 2.8 | 19 |
| 66 | Peripheral Ligand Effect on the Photophysical Property of Octahedral Iridium Complex: o-Aryl Substitution on the Phenyl Units of Homoleptic IrIII(Câ^§C)3 Complexes (Câ^§C =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (1-Pheny 60, 246-262. | 4.0 | 19 |
| 67 | Photophysics and Excited-State Properties of Cyclometalated Iridium(III)â€“Platinum(II) and Iridium(III)â€“Iridium(III) Bimetallic Complexes Bridged by Dipyridylpyrazine. Inorganic Chemistry, 2017, 56, 5305-5315. | 4.0 | 18 |
| 68 | Excitation spectroscopic and synchronous fluorescence spectroscopic analysis of the origin of aggregation-induced emission in N,N-diphenyl-1-naphthylamine-o-carborane derivatives. Physical Chemistry Chemical Physics, 2018, 20, 17458-17463. | 2.8 | 18 |
| 69 | New Class of Fischer-Type Carbene Complexes Containing ano-Carboranyl Substituent. Synthesis and Crystal Structure of (CO)5W[C(OMe)(PhC2B10H10)] and (CO)4(PhC2B10H10)Mn[C(OCH3)(CH3)]. Organometallics, 1998, 17, 1109-1115. | 2.3 | 17 |
| 70 | A spectroscopic study on the satellite vibronic band in phosphorescent Pt-complexes with high colour purity. Physical Chemistry Chemical Physics, 2017, 19, 32670-32677. | 2.8 | 17 |
| 71 | A Detailed Evaluation for the Nonradiative Processes in Highly Phosphorescent Iridium(III) Complexes. Journal of Physical Chemistry C, 2018, 122, 4029-4036. | 3.1 | 16 |
| 72 | Ancillary Ligand Effects on Heteroleptic Ir<sup>III</sup> Dye in Dyeâ€Sensitized Photocatalytic CO<sub>2</sub> Reduction: Photoaccumulation of Charges on Arylated Bipyridine Ligand and Its Control on Catalytic Performance. Chemistry - A European Journal, 2020, 26, 16733-16754. | 3.3 | 16 |

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| 73 | Homoleptic cyclometalated dibenzothiopheneâ€“NHCâ€“iridium(<scp>iii</scp>) complexes for efficient blue phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 4062-4069. | 5.5 | 15 |
| 74 | Synthesis and Characterization of New Trinuclear Aluminum and Gallium Complexes of Bis(thiosemicarbazones). Single-Crystal Structure of (MeAl){CH2[C(Me)NNC(S)N(Me)]2}(AlMe2)2. Organometallics, 1997, 16, 1503-1506. | 2.3 | 14 |
| 75 | The first 1,3-digermyla-2-nickela-carboranylene and the Ni-catalyzed double germylation of unsaturated organic substrates. Chemical Communications, 2001, , 1730-1731. | 4.1 | 14 |
| 76 | Organometallic Iridium(III) Complex Sensitized Ternary Hybrid Photocatalyst for CO 2 to CO Conversion. Chemistry - A European Journal, 2019, 25, 13609-13623. | 3.3 | 14 |
| 77 | Photophysical properties of structural isomers of homoleptic Ir-complexes derived from xylenyl-substituted N-heterocyclic carbene ligands. Physical Chemistry Chemical Physics, 2019, 21, 7155-7164. | 2.8 | 14 |
| 78 | Collisional Electron Transfer Route between Homogeneous Porphyrin Dye and Catalytic TiO<sub>2</sub>/Re(I) Particles for CO<sub>2</sub> Reduction. ACS Applied Energy Materials, 2020, 3, 11581-11596. | 5.1 | 13 |
| 79 | Photochemistry of hybrid organicâ€“inorganic triarylborane-o-carboranes. Journal of Organometallic Chemistry, 2015, 798, 245-251. | 1.8 | 12 |
| 80 | Comprehensive spectroscopic studies of cis and trans isomers of red-phosphorescent heteroleptic iridium(III) complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 673-680. | 3.9 | 12 |
| 81 | Blue Phosphorescence with High Quantum Efficiency Engaging the Trifluoromethylsulfonyl Group to Iridium Phenylpyridine Complexes. Inorganic Chemistry, 2019, 58, 16112-16125. | 4.0 | 12 |
| 82 | New Types of Group 4 and 13 Metal Complexes Stabilized by Homo- or Hetero-Donor Functionalized Dicarbollide Ligands: Syntheses, Characterizations, and Structural Studies of [{Î·5-C2B9H9(D)}(Î·1-NMe2CH2)]M(NMe2)2 (D = CH2NMe2, PPh2; M = Ti, Zr) and [(Î·1-D)(Î·1-NMe2CH2)C2B9H10]MMe2 (D = CH2NMe2, PPh2; M = Al, Ga). Organometallics, 2010, 29, 2348-2356. | 2.3 | 11 |
| 83 | A Hybrid Ru(II)/TiO<sub>2</sub> Catalyst for Steadfast Photocatalytic CO<sub>2</sub> to CO/Formate Conversion Following a Molecular Catalytic Route. Inorganic Chemistry, 2021, 60, 10235-10248. | 4.0 | 11 |
| 84 | Phosphine-Catalyzed Siâ^'C Coupling of Bissilylmethanes: Preparation of Cyclic (Cl2SiCH2)2 and Linear Cl2Si(CH2SiCl3)2 via Silylene and Silene Intermediates. Organometallics, 2010, 29, 687-691. | 2.3 | 10 |
| 85 | InP-Quantum Dot Surface-Modified TiO<sub>2</sub> Catalysts for Sustainable Photochemical Carbon Dioxide Reduction. ACS Sustainable Chemistry and Engineering, 2022, 10, 6033-6044. | 6.7 | 10 |
| 86 | Syntheses and Crystal Structures of Intramolecularly Stabilized Organo Aluminum, Gallium, and Indium Compounds Containing theC,P-Chelatingo-Carboranylphosphino Ligand [o-C2B10H10(CH2PMe2)-C,P]-(CabC,P). X-ray Structure of Pentacoordinated Group 13 Metal Complexes (CabC,P)2MX (M = Ga, In; X = Cl). Organometallics, 2005, 24, 5845-5852. | 2.3 | 9 |
| 87 | Electronic alteration of end-on phenyl groups of bis-triazolyl-silanes: electron-transport materials for blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 4978-4987. | 5.5 | 9 |
| 88 | Time-resolved spectroscopic analysis of the light-energy harvesting mechanism in carbazole-dendrimers with a blue-phosphorescent Ir-complex core. Physical Chemistry Chemical Physics, 2017, 19, 20093-20100. | 2.8 | 9 |
| 89 | Influence of bulky substituents on the photophysical properties of homoleptic iridium(<scp>iii</scp>) complexes. Physical Chemistry Chemical Physics, 2019, 21, 6908-6916. | 2.8 | 9 |
| 90 | Excited-state modulation via alteration of the heterocyclic moiety in 9,9-dimethylfluorene-based Ir(iii) phosphorescent dopants for blue PhOLEDs. Journal of Materials Chemistry C, 0, , . | 5.5 | 9 |

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|---|---|---|---|
| 91 | Structureâ€“Catalytic Activity Relationship in Bridging Silacycloalkyl Ring Conformations of Constrained Geometry Titanium Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 2214-2224. | 2.0 | 7 |
| 92 | The effect of energy level offset between Ir dopant and carbazole hosts on the emission efficiency. Applied Physics Letters, 2010, 97, 023309. | 3.3 | 7 |
| 93 | Facile Synthesis of Highly Crystalline and Large Areal Hexagonal Boron Nitride from Borazine Oligomers. Scientific Reports, 2017, 7, 40260. | 3.3 | 7 |
| 94 | Synthesis and Characterization of Blue Phosphorescent NHC-Ir(III) Complexes with Annulated Heterocyclic 1,2,4-Triazolophenanthridine Derivatives for Highly Efficient PhOLEDs. ACS Applied Electronic Materials, 2022, 4, 2699-2710. | 4.3 | 7 |
| 95 | Photoinduced electron and hole transfers in carbazole dendrimers with heteroleptic Ir-complex cores. Physical Chemistry Chemical Physics, 2018, 20, 27585-27591. | 2.8 | 6 |
| 96 | Triplet Energy Transfer between a Sacrificial PMP and Blue TPF2 Iridium Dopants Leading to Enhancement of OLED Device Performance. Journal of Physical Chemistry C, 2019, 123, 18771-18782. | 3.1 | 6 |
| 97 | Solidâ€State Photochromism by Molecular Assembly of Bisâ€oâ€carboranyl Siloles. Chemistry - A European Journal, 2019, 25, 8149-8156. | 3.3 | 6 |
| 98 | Electron Injection Process of Porphyrin Dye into a Heterogeneous TiO2/Re(I) Photocatalyst. Journal of Physical Chemistry C, 2021, 125, 7625-7636. | 3.1 | 6 |
| 99 | Secondary Coordination Effect on Monobipyridyl Ru(II) Catalysts in Photochemical CO<sub>2</sub> Reduction: Effective Proton Shuttle of Pendant BrÃ¸nsted Acid/Base Sites (OH and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td 14151-14164. | 4.0 | 6 |
| 100 | On preference of insertion mechanism in the ethylene polymerization catalyzed by half-titanocene complexes with aryloxy ligands: Static and dynamic theoretical studies. Macromolecular Research, 2010, 18, 960-966. | 2.4 | 5 |
| 101 | Geometry and steric effects on the electronic states of aryl-o-carboranes. Journal of Organometallic Chemistry, 2018, 865, 152-158. | 1.8 | 5 |
| 102 | Tuning the Photophysical Properties of Homoleptic Tris-Cyclometalated Ir(III) Complexes by Facile Modification of the Imidazo-Phenanthridine and Their Application to Phosphorescent Organic Light-Emitting Diodes. ACS Omega, 2022, 7, 17234-17244. | 3.5 | 5 |
| 103 | Development of a solvent-free hydrogen storage and release system based on semi-solid-state ammonia borane (AB) fuel: high gravimetric capacity and feasibility for practical application. Journal of Materials Chemistry A, 2014, 2, 20243-20251. | 10.3 | 4 |
| 104 | Photochemical CO2-to-Formate/CO Conversion Catalyzed by Half-Metallocene Ir(III) Catalyst and Its Mechanistic Investigation. Organometallics, 2021, 40, 2430-2442. | 2.3 | 4 |
| 105 | [Bu4P]+Clâ^'-Catalyzed Reactions of Trichlorosilane and Dichloromethylsilane with Vinyltrichlorosilane: New Synthetic Method for 1,1,4,4-Tetrachloro-2,5-bis(trichlorosilyl)-1,4-disilacyclohexane Compounds. Organometallics, 2010, 29, 3054-3057. | 2.3 | 2 |
| 106 | Elucidation of Excited-State Properties of Bimetallic Ir(III)â€“Pt(II) Complexes with Conjugated Bridging Ligands. Journal of Physical Chemistry C, 2018, 122, 23288-23298. | 3.1 | 1 |
| 107 | Electrochemical Depositon of End-Capped Triarylamine and CBP Dendrimers: Alternate Technique for the Fabrication of Organic Light-Emitting Devices. Materials Research Society Symposia Proceedings, 2006, 965, 1. | 0.1 | 0 |
| 108 | Dendritic Iridium(III)-Encapsulated Complexes for Organic Light Emitting Diodes. Materials Research Society Symposia Proceedings, 2006, 965, 1. | 0.1 | 0 |

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|---|---|---|---|
| 109 | DENSITY FUNCTIONAL STUDY ON THE EFFECT OF ELECTRON WITHDRAWING SUBSTITUENT ON THE STABILITY OF RNHBH<sub>2</sub>. International Journal of Nanoscience, 2009, 08, 53-56. | 0.7 | 0 |
| 110 | Constrained Geometry Main Group Metal Dicarbollide Complexes. , 2018, , 229-258. | | 0 |