

So-Yeon Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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. <i>ACS Omega</i> , 2022, 7, 17234-17244.	1.6	5
2	Synthesis and Characterization of Blue Phosphorescent NHC-Ir(III) Complexes with Annulated Heterocyclic 1,2,4-Triazolophenanthridine Derivatives for Highly Efficient PhOLEDs. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2699-2710.	2.0	7
3	Rapid Exciton Migration and Amplified Funneling Effects of Multi-Porphyrin Arrays in a Re(I)/Porphyrinic MOF Hybrid for Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2710-2722.	4.0	58
4	Electron Injection Process of Porphyrin Dye into a Heterogeneous TiO ₂ /Re(I) Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7625-7636.	1.5	6
5	Photochemical CO ₂ -to-Formate/CO Conversion Catalyzed by Half-Metallocene Ir(III) Catalyst and Its Mechanistic Investigation. <i>Organometallics</i> , 2021, 40, 2430-2442.	1.1	4
6	A Hybrid Ru(II)/TiO ₂ Catalyst for Steadfast Photocatalytic CO ₂ to CO/Formate Conversion Following a Molecular Catalytic Route. <i>Inorganic Chemistry</i> , 2021, 60, 10235-10248.	1.9	11
7	Homoleptic cyclometalated dibenzothiophene-NHC-iridium(III) complexes for efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4062-4069.	2.7	15
8	Peripheral Ligand Effect on the Photophysical Property of Octahedral Iridium Complex: o-Aryl Substitution on the Phenyl Units of Homoleptic Ir(III)(C^N) ₃ Complexes (C^N =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (1-Phenyl) 60, 246-262.	1.9	19
9	Organometallic Iridium(III) Complex Sensitized Ternary Hybrid Photocatalyst for CO ₂ to CO Conversion. <i>Chemistry - A European Journal</i> , 2019, 25, 13609-13623.	1.7	14
10	Utility of Squaraine Dyes for Dye-Sensitized Photocatalysis on Water or Carbon Dioxide Reduction. <i>ACS Omega</i> , 2019, 4, 14272-14283.	1.6	25
11	Triplet Energy Transfer between a Sacrificial PMP and Blue TPF2 Iridium Dopants Leading to Enhancement of OLED Device Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18771-18782.	1.5	6
12	Blue Phosphorescence with High Quantum Efficiency Engaging the Trifluoromethylsulfonyl Group to Iridium Phenylpyridine Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 16112-16125.	1.9	12
13	Highly Selective and Durable Photochemical CO ₂ Reduction by Molecular Mn(I) Catalyst Fixed on a Particular Dye-Sensitized TiO ₂ Platform. <i>ACS Catalysis</i> , 2019, 9, 2580-2593.	5.5	58
14	Solid-State Photochromism by Molecular Assembly of Bis-carboranyl Siloles. <i>Chemistry - A European Journal</i> , 2019, 25, 8149-8156.	1.7	6
15	Photophysical properties of structural isomers of homoleptic Ir-complexes derived from xylenyl-substituted N-heterocyclic carbene ligands. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7155-7164.	1.3	14
16	Influence of bulky substituents on the photophysical properties of homoleptic iridium(III) complexes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6908-6916.	1.3	9
17	Geometry and steric effects on the electronic states of aryl-o-carboranes. <i>Journal of Organometallic Chemistry</i> , 2018, 865, 152-158.	0.8	5
18	A Detailed Evaluation for the Nonradiative Processes in Highly Phosphorescent Iridium(III) Complexes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4029-4036.	1.5	16

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19	Photoinduced Electron Transfer in a BODIPY-ortho-Carborane Dyad Investigated by Time-Resolved Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3391-3397.	1.1	25
20	Comprehensive spectroscopic studies of cis and trans isomers of red-phosphorescent heteroleptic iridium(III) complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 673-680.	2.0	12
21	Photoinduced electron and hole transfers in carbazole dendrimers with heteroleptic Ir-complex cores. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27585-27591.	1.3	6
22	Elucidation of Excited-State Properties of Bimetallic Ir(III)-Pt(II) Complexes with Conjugated Bridging Ligands. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23288-23298.	1.5	1
23	Excitation spectroscopic and synchronous fluorescence spectroscopic analysis of the origin of aggregation-induced emission in N,N-diphenyl-1-naphthylamine-ortho-carborane derivatives. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17458-17463.	1.3	18
24	Probing photophysical properties of isomeric N-heterocyclic carbene Ir(III) complexes and their applications to deep-blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1651-1659.	2.7	35
25	Steric effect on excimer formation in planar Pt(II) complexes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5486-5494.	1.3	26
26	The effect of interligand energy transfer on the emission spectra of heteroleptic Ir complexes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8778-8786.	1.3	19
27	Important role of ancillary ligand in the emission behaviours of blue-emitting heteroleptic Ir(III) complexes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4480-4487.	2.7	24
28	Photophysics and Excited-State Properties of Cyclometalated Iridium(III)-Platinum(II) and Iridium(III)-Iridium(III) Bimetallic Complexes Bridged by Dipyriddy pyrazine. <i>Inorganic Chemistry</i> , 2017, 56, 5305-5315.	1.9	18
29	Influence of π -conjugation structural changes on intramolecular charge transfer and photoinduced electron transfer in donor-acceptor dyads. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 426-435.	1.3	47
30	Direct observation of the photoinduced electron transfer processes of bis(4-arylphenylamino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 <i>Chemical Physics</i> , 2017, 19, 24485-24492.	1.3	34
31	Photosensitization Behavior of Ir(III) Complexes in Selective Reduction of CO ₂ by Re(I)-Complex-Anchored TiO ₂ Hybrid Catalyst. <i>Inorganic Chemistry</i> , 2017, 56, 12042-12053.	1.9	43
32	Time-resolved spectroscopic analysis of the light-energy harvesting mechanism in carbazole-dendrimers with a blue-phosphorescent Ir-complex core. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20093-20100.	1.3	9
33	The influence of π -conjugation on competitive pathways: charge transfer or electron transfer in new D π -A and D π -Si π -A dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22921-22928.	1.3	29
34	Ligand-to-ligand charge transfer in heteroleptic Ir-complexes: comprehensive investigations of its fast dynamics and mechanism. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15162-15169.	1.3	33
35	Aggregation-induced emission of diarylamino- π -carborane triads: effects of charge transfer and π -conjugation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9702-9708.	1.3	72
36	Photochemistry of hybrid organic-inorganic triarylborane-o-carboranes. <i>Journal of Organometallic Chemistry</i> , 2015, 798, 245-251.	0.8	12

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37	Electronic Alteration on Oligothiophenes by <i>o</i> -Carborane: Electron Acceptor Character of <i>o</i> -Carborane in Oligothiophene Frameworks with Dicyano-Vinyl End-On Group. Journal of Organic Chemistry, 2015, 80, 4573-4580.	1.7	34
38	Intriguing emission properties of triphenylamine- <i>o</i> -carborane systems. Physical Chemistry Chemical Physics, 2015, 17, 15679-15682.	1.3	74
39	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, , .	2.7	9