

# So-Yeon Kim

## List of Publications by Year in descending order

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39  
papers

870  
citations

471371

17  
h-index

477173

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intriguing emission properties of triphenylamine-carborane systems. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15679-15682.	1.3	74
2	Aggregation-induced emission of diarylamino-carborane triads: effects of charge transfer and $\pi$ -conjugation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9702-9708.	1.3	72
3	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. <i>ACS Catalysis</i> , 2019, 9, 2580-2593.	5.5	58
4	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 2710-2722.	4.0	58
5	Influence of $\pi$ -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
6	Photosensitization Behavior of Ir(III) Complexes in Selective Reduction of CO <sub>2</sub> by Re(I)-Complex-Anchored TiO <sub>2</sub> Hybrid Catalyst. <i>Inorganic Chemistry</i> , 2017, 56, 12042-12053.	1.9	43
7	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
8	Electronic Alteration on Oligothiophenes by <i>ortho</i> -Carborane: Electron Acceptor Character of <i>ortho</i> -Carborane in Oligothiophene Frameworks with Dicyano-Vinyl End-On Group. <i>Journal of Organic Chemistry</i> , 2015, 80, 4573-4580.	1.7	34
9	Direct observation of the photoinduced electron transfer processes of bis(4-arylphenylamino) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td <i>Chemical Physics</i> , 2017, 19, 24485-24492.	1.3	34
10	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
11	The influence of $\pi$ -conjugation on competitive pathways: charge transfer or electron transfer in new Dâ€‘A and Dâ€‘Siâ€‘A dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22921-22928.	1.3	29
12	Steric effect on excimer formation in planar Pt(II) complexes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5486-5494.	1.3	26
13	Photoinduced Electron Transfer in a BODIPY- <i>ortho</i> -Carborane Dyad Investigated by Time-Resolved Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3391-3397.	1.1	25
14	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
15	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
16	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
17	Peripheral Ligand Effect on the Photophysical Property of Octahedral Iridium Complex: <i>o</i> -Aryl Substitution on the Phenyl Units of Homoleptic Ir(III)(Câ€‘SC) <sub>3</sub> Complexes (Câ€‘SC =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td 60, 246-262.	1.9	19
18	Photophysics and Excited-State Properties of Cyclometalated Iridium(III)-Platinum(II) and Iridium(III)-Iridium(III) Bimetallic Complexes Bridged by Dipyridylpyrazine. <i>Inorganic Chemistry</i> , 2017, 56, 5305-5315.	1.9	18

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19	Excitation spectroscopic and synchronous fluorescence spectroscopic analysis of the origin of aggregation-induced emission in <i>N,N</i> -diphenyl-1-naphthylamine- <i>o</i> -carborane derivatives. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17458-17463.	1.3	18
20	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
21	Homoleptic cyclometalated dibenzothiopheneâ€“NHCâ€“iridium( <i>iii</i> ) complexes for efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4062-4069.	2.7	15
22	Organometallic Iridium(III) Complex Sensitized Ternary Hybrid Photocatalyst for CO <sub>2</sub> to CO Conversion. <i>Chemistry - A European Journal</i> , 2019, 25, 13609-13623.	1.7	14
23	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
24	Photochemistry of hybrid organicâ€“inorganic triarylborane- <i>o</i> -carboranes. <i>Journal of Organometallic Chemistry</i> , 2015, 798, 245-251.	0.8	12
25	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
26	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
27	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. <i>Inorganic Chemistry</i> , 2021, 60, 10235-10248.	1.9	11
28	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
29	Influence of bulky substituents on the photophysical properties of homoleptic iridium( <i>iii</i> ) complexes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6908-6916.	1.3	9
30	Excited-state modulation via alteration of the heterocyclic moiety in 9,9-dimethylfluorene-based Ir(III) phosphorescent dopants for blue PhOLEDs. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	9
31	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
32	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
33	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
34	Solidâ€“State Photochromism by Molecular Assembly of Bisâ€“ <i>o</i> -carboranyl Siloles. <i>Chemistry - A European Journal</i> , 2019, 25, 8149-8156.	1.7	6
35	Electron Injection Process of Porphyrin Dye into a Heterogeneous TiO <sub>2</sub> /Re(I) Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7625-7636.	1.5	6
36	Geometry and steric effects on the electronic states of aryl- <i>o</i> -carboranes. <i>Journal of Organometallic Chemistry</i> , 2018, 865, 152-158.	0.8	5

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37	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
38	Photochemical CO <sub>2</sub> -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
39	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