

# Hea Jung Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2742920/publications.pdf>

Version: 2024-02-01

46  
papers

583  
citations

759233

12  
h-index

642732

23  
g-index

47  
all docs

47  
docs citations

47  
times ranked

922  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature and Kinetic Analysis of Carbon <sup>•</sup> Carbon Bond Fragmentation Reactions of Cation Radicals Derived from SET-Oxidation of Lignin Model Compounds. <i>Journal of Organic Chemistry</i> , 2010, 75, 6549-6562.	3.2	88
2	Rational Design, Synthesis, and Characterization of Deep Blue Phosphorescent Ir(III) Complexes Containing (4-Substituted-2-pyridyl)-1,2,4-triazole Ancillary Ligands. <i>Journal of Organic Chemistry</i> , 2013, 78, 8054-8064.	3.2	53
3	Layer-by-Layer Assembled Films of Perylene Diimide- and Squaraine-Containing Metal-Organic Framework-like Materials: Solar Energy Capture and Directional Energy Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24983-24988.	8.0	44
4	Synthesis of a Zr-Based Metal-Organic Framework with Spirobifluorenetetrabenzoic Acid for the Effective Removal of Nerve Agent Simulants. <i>Inorganic Chemistry</i> , 2017, 56, 12098-12101.	4.0	44
5	Regioselectivity of Enzymatic and Photochemical Single Electron Transfer Promoted Carbon <sup>•</sup> Carbon Bond Fragmentation Reactions of Tetrameric Lignin Model Compounds. <i>Journal of Organic Chemistry</i> , 2011, 76, 2840-2852.	3.2	40
6	Photoaddition Reactions of 1,2-Diketones with Silyl Ketene Acetals. Formation of $\beta$ -Hydroxy- $\gamma$ -ketoesters. <i>Journal of Organic Chemistry</i> , 2008, 73, 4539-4547.	3.2	36
7	Polystyrene- <i>block</i> -Poly(ionic liquid) Copolymers as Work Function Modifiers in Inverted Organic Photovoltaic Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4887-4894.	8.0	21
8	Synthesis of new near infrared absorption polymers based on thiadiazoloquinoxaline and their solar cell applications. <i>Synthetic Metals</i> , 2012, 162, 1184-1189.	3.9	17
9	Studies aimed at elucidating factors involved in the control of chemoselectivity in single electron transfer promoted photoreactions of branched-polydonor substituted phthalimides. <i>Tetrahedron</i> , 2010, 66, 3173-3186.	1.9	15
10	Photoaddition Reactions of Acetylpyridines with Silyl Ketene Acetals: SET vs [2 + 2]-Cycloaddition Pathways. <i>Journal of Organic Chemistry</i> , 2012, 77, 10304-10313.	3.2	15
11	Green phosphorescent homoleptic iridium(III) complexes for highly efficient organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018, 156, 395-402.	3.7	15
12	Synthesis and Characterization of Benzotriazole-Based Polymer Donors with Good Planarity for Organic Photovoltaics. <i>Macromolecular Research</i> , 2020, 28, 903-909.	2.4	15
13	Orange phosphorescent Ir(III) complexes consisting of substituted 2-phenylbenzothiazole for solution-processed organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 60, 31-37.	2.6	14
14	Synthesis and Characterization of DPP-Based Conjugated Polymers via Dehydrogenative Direct Alkenylation Polycondensation. <i>Macromolecular Research</i> , 2019, 27, 115-118.	2.4	14
15	Effects of the core unit on perylene-diimide-based molecular acceptors in fullerene-free organic solar cells. <i>Organic Electronics</i> , 2019, 71, 238-245.	2.6	12
16	Studies of Silyl-Transfer Photochemical Reactions of N-[(Trimethylsilyl)alkyl]saccharins. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2453-2458.	1.9	12
17	Exploration of photochemical reactions of N-trimethylsilylmethyl-substituted uracil, pyridone, and pyrrolidone derivatives. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1169.	2.9	11
18	Synthesis of efficient blue phosphorescent heteroleptic Ir(III) complexes containing 4-alkoxy- or 4-alkylaminopicolinates as ancillary ligands. <i>Journal of Luminescence</i> , 2017, 188, 323-330.	3.1	11

#	ARTICLE	IF	CITATIONS
19	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.	5.5	10
20	Dinuclear Pt(II) Complexes with Red and NIR Emission Governed by Ligand Control of the Intramolecular Pt-Pt Distance. <i>Inorganic Chemistry</i> , 2022, 61, 5178-5183.	4.0	10
21	Synthesis and characterization of a series of bis(dimethyl-n-octylsilyl)oligothiophenes for organic thin film transistor applications. <i>Synthetic Metals</i> , 2009, 159, 1589-1596.	3.9	9
22	Highly efficient and spectrally stable white organic light-emitting diodes using new red heteroleptic Iridium(III) complexes. <i>Dyes and Pigments</i> , 2018, 149, 363-372.	3.7	9
23	Efficient organic photovoltaic cells based on thiazolothiazole and benzodithiophene copolymers with conjugated bridges. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1978-1988.	2.3	6
24	Thienoquinolinone as a new building block for wide bandgap semiconducting polymer donors for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12265-12271.	5.5	6
25	New green phosphorescent Ir(III) complex with carbazolylbenzimidazole ligand for solution-processed organic light-emitting diode. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 133-137.	1.9	6
26	Novel Conjugated Polymers Containing 3-(2-Octyldodecyl)thieno[3,2-b]thiophene as a Bridge for Organic Photovoltaic Applications. <i>Polymers</i> , 2020, 12, 2121.	4.5	5
27	Bithienopyrroledione-based polymeric donors for efficient fullerene- and non-fullerene-based organic photovoltaic cells. <i>Dyes and Pigments</i> , 2022, 200, 110176.	3.7	5
28	New 1,7-Disubstituted Perylene diimides as Molecular Acceptors for Organic Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 484-492.	1.9	4
29	High Open-Circuit Voltage Organic Photovoltaics Fabricated Using an Alkylidene Fluorene Derivative as a Non-fullerene Acceptor. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 143-149.	1.9	4
30	Photochemical Approach to the Preparation of Lariat Crown Ethers Containing Peptide Sidearms. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 503-509.	1.9	4
31	Synthesis and Characterization of Bis-Thienyl-9,10-anthracenes Containing Electron Withdrawing 2-Cyanoacrylic Acid or 2-Methylenemalononitrile Group. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3081-3089.	1.9	4
32	Search for New Blue Phosphorescent Iridium(III) Complexes for OLED Applications. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2012, 25, 171-174.	0.3	3
33	Synthesis of New Heteroleptic Iridium(III) Complex Consisting of 2-Phenylquinoline and 2-[4-(Trimethylsilyl) phenyl]Pyridine for Red and White Organic Light-Emitting Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5587-5592.	0.9	3
34	Synthesis and Properties of Fluorinated Styrene Copolymers as Antibiofouling Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6343-6347.	0.9	3
35	Novel Naphthalene Based Lariat-Type Crown Ethers Using Direct Single Electron Transfer Photochemical Strategy. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 3681-3689.	1.9	3
36	Synergistic effect of trimethylsilane for photoinduced electron transfer on 1,8-naphthalimides in polar solvent. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 246, 23-28.	3.9	2

#	ARTICLE	IF	CITATIONS
37	A strategy for the preparation of cyclic polyarenes based on single electron transfer-promoted photocyclization reactions. <i>Research on Chemical Intermediates</i> , 2012, 38, 847-862.	2.7	2
38	Effect of Branching position of alkyl side chain on charge-transport characteristics of diketopyrrolopyrrole- and dichlorodithienylethene-based organic field-effect transistors. <i>Organic Electronics</i> , 2022, 101, 106403.	2.6	2
39	Photochemical reactions of 1,2-diketones with silyl enol ethers. <i>Research on Chemical Intermediates</i> , 2015, 41, 419-431.	2.7	1
40	Blue Phosphorescent Bipyridine-Based Iridium(III) Complex for Vacuum-Deposited Organic Light-Emitting Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7047-7052.	0.9	1
41	Thermally Cross-Linkable Styrene-Based Host Materials for Solution-Processed Organic Light-Emitting Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4705-4709.	0.9	1
42	New blue phosphorescent Pt(II) complex with pyridyltriazole-based tetradentate ligand for organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 98, 106300.	2.6	1
43	Photoadditions of Silyl Butadienyl Ether to 1,2-Diketones. <i>Journal of the Korean Chemical Society</i> , 2013, 57, 9-11.	0.2	1
44	Synthesis of Novel Polyacrylates Containing Cyclotetrasiloxane for Fouling-Release Coating Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4686-4690.	0.9	0
45	Azomethine Ylide Forming Photoreaction of N-(Tributylstannyl)methylphthalimide. <i>Journal of the Korean Chemical Society</i> , 2009, 53, 302-307.	0.2	0
46	Comparison of Photocyclization Reactions of Fluoro- vs Nonfluoro-Substituted Polymethyleneoxy Donor Linked Phthalimides. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1108-1114.	1.9	0