

Youngjin Kang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1222963/publications.pdf>

Version: 2024-02-01

64
papers

1,431
citations

331670

21
h-index

330143

37
g-index

64
all docs

64
docs citations

64
times ranked

1565
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue Phosphorescent Ir(III) Complex with High Color Purity: $\text{fac-Tris}(2,6\text{-difluoro-}2,3\text{-bipyridinato-}N,C\text{-}4\text{-iridium(III)})$. <i>Inorganic Chemistry</i> , 2009, 48, 1030-1037.	4.0	190
2	Effect of Substitution of Methyl Groups on the Luminescence Performance of Ir(III) Complexes: Preparation, Structures, Electrochemistry, Photophysical Properties and Their Applications in Organic Light-Emitting Diodes (OLEDs). <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3415-3423.	2.0	158
3	Silole-spaced triarylamine derivatives as highly efficient organic sensitizers in dye-sensitized solar cells (DSSCs). <i>Journal of Materials Chemistry</i> , 2010, 20, 2391.	6.7	97
4	Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. <i>Journal of Materials Chemistry C</i> , 2013, 1, 441-450.	5.5	76
5	Bluish-Green BMe ₂ -Functionalized Pt(II) Complexes for High Efficiency PhOLEDs: Impact of the BMe ₂ Location on Emission Color. <i>Chemistry - A European Journal</i> , 2012, 18, 11306-11316.	3.3	71
6	Photoluminescence, Electroluminescence, and Complex Formation of Novel N-7-Azaindolyl- and 2,2'-Dipyridylamino-Functionalized Siloles. <i>Chemistry of Materials</i> , 2004, 16, 1869-1877.	6.7	61
7	A green emitting iridium(III) complex with narrow emission band and its application to phosphorescence organic light-emitting diodes (OLEDs). <i>Organic Electronics</i> , 2009, 10, 1066-1073.	2.6	60
8	Effective Alkoxylation of Phosphorescent Heteroleptic Iridium(III) Compounds Bearing Fluorinated Bipyridine Ligands. <i>Organometallics</i> , 2013, 32, 6427-6436.	2.3	54
9	2,3,4,5-Tetrafunctionalized Siloles: Syntheses, Structures, Luminescence, and Electroluminescence. <i>Organometallics</i> , 2004, 23, 6205-6213.	2.3	51
10	Blue Phosphorescent Platinum Complexes Based on Tetradentate Bipyridine Ligands and Their Application to Organic Light-Emitting Diodes (OLEDs). <i>Organometallics</i> , 2018, 37, 4639-4647.	2.3	43
11	Impact of a Picolate Ancillary Ligand on Phosphorescence and Fluoride Sensing Properties of BMe ₂ -Functionalized Platinum(II) Compounds. <i>Organometallics</i> , 2013, 32, 599-608.	2.3	40
12	Phenylimidazole-based homoleptic iridium(III) compounds for blue phosphorescent organic light-emitting diodes with high efficiency and long lifetime. <i>Organic Electronics</i> , 2016, 34, 91-96.	2.6	40
13	Highly Congested Donor-Acceptor B Compound: Synthesis and Properties of a BMe ₂ - and a PPh ₂ -Functionalized 1,8-Naphthalene. <i>Organometallics</i> , 2013, 32, 3063-3068.	2.3	37
14	Blue Phosphorescent Ir(III) Complexes Achieved with Over 30% External Quantum Efficiency. <i>Advanced Optical Materials</i> , 2019, 7, 1901387.	7.3	36
15	Palladium-Catalyzed Cross-Coupling Reactions of Dithienosilole with Indium Reagents: Synthesis and Characterization of Dithienosilole Derivatives and Their Application to Organic Light-Emitting Diodes. <i>Organometallics</i> , 2010, 29, 2715-2723.	2.3	35
16	Fluorine-free blue phosphorescent emitters for efficient phosphorescent organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6040-6047.	5.5	34
17	Cyclometalated Platinum(II) η^2 -Diketone Complexes as Single Dopants for High-Efficiency White OLEDs: The Relationship between Intermolecular Interactions in the Solid State and Electroluminescent Efficiency. <i>Crystal Growth and Design</i> , 2020, 20, 6129-6138.	3.0	30
18	Deep blue phosphorescent organic light-emitting diodes with excellent external quantum efficiency. <i>Organic Electronics</i> , 2013, 14, 3228-3233.	2.6	27

#	ARTICLE	IF	CITATIONS
19	The impact of an indeno[1,2-b]thiophene spacer on dye-sensitized solar cell performances of cyclic thiourea functionalized organic sensitizers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12931.	10.3	26
20	Deep-blue phosphorescent iridium(III) dyes based on fluorine-functionalized bis(2,3-bipyridyl) ligand for efficient organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015, 123, 235-241.	3.7	26
21	A Dual-Emissive Phosphine-Borane Lewis Pair with a U-Shaped Linker: Impact of Methylation and Complexation on Fluoride Binding Affinity. <i>Organometallics</i> , 2014, 33, 964-973.	2.3	23
22	Role and Effect of Anions in the Construction of Silver Complexes Based on a Pyridylimidazole Ligand with L-Type Coordination Vectors and Their Photoluminescence Properties. <i>Crystal Growth and Design</i> , 2016, 16, 996-1004.	3.0	23
23	One-pot synthesis of homoleptic iridium (III) dyes created using alkoxo-functionalized bipyridine ligands and these dyes' applications for organic light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 137, 378-383.	3.7	19
24	Synthesis and structure of penta-platinum η^5 -bonded derivatives of corannulene. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3529-3532.	1.8	18
25	Substituent effect of fluorine atom on benzothiadiazole bridging unit in dye sensitized solar cells. <i>Tetrahedron</i> , 2014, 70, 427-433.	1.9	15
26	Bipyridine-based iridium(III) triplet emitters for organic light-emitting diodes (OLEDs): application and impact of phenyl substitution at the 5-position of the N-coordinating pyridine ring. <i>Dalton Transactions</i> , 2019, 48, 9734-9743.	3.3	15
27	Cyclometalated Platinum(II) η^2 -Diketonate Complexes with Extremely High External Quantum Efficiency for White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2101233.	7.3	14
28	Effect of the bipyridine ligand substituents on the emission properties of phosphorescent Ir(III) compounds. <i>Dyes and Pigments</i> , 2017, 146, 386-391.	3.7	13
29	Improvement in color purity and lifetime of blue PHOLEDs using a homoleptic iridium(III) complex with fluorinated dibenzofuranyl-imidazole ligand. <i>Dyes and Pigments</i> , 2021, 190, 109334.	3.7	13
30	Design and fabrication of two-stack tandem-type all-phosphorescent white organic light-emitting diode for achieving high color rendering index and luminous efficacy. <i>Optics Express</i> , 2016, 24, 24161.	3.4	12
31	Synthesis and characterization of fluorene and carbazole dithienosilole derivatives for potential applications in organic light-emitting diodes. <i>Tetrahedron</i> , 2012, 68, 9278-9283.	1.9	11
32	Structure and optical properties of new spirobisilole: 2,3,3',4,4'-hexaphenyl-1,1'-spirobisilole. <i>Inorganic Chemistry Communication</i> , 2007, 10, 731-734.	3.9	9
33	Phenanthridine based Ir(III) complex for blue phosphorescent organic light-emitting diodes with long-term operational stability. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 386-390.	5.8	9
34	Effect of ancillary ligand on the photoluminescent and electroluminescent properties of blue Ir(III) complexes bearing main bipyridine ligand. <i>Chemical Engineering Journal</i> , 2022, 431, 134249.	12.7	8
35	Green Light-Emitting Diodes (LED) Based on Diarylethene. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 157-168.	0.9	5
36	Crystal structure of a helical silver(I) coordination polymer based on an unsymmetrical dipyriddy ligand: catena-poly[[silver(I)- η^4 -N-(pyridin-4-ylmethyl)pyridine-3-amine- η^2 N:N] tetrafluoroborate methanol hemisolvate]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 1287-1289.	0.5	4

#	ARTICLE	IF	CITATIONS
37	Crystal structure of [2,6-difluoro-3-(pyridin-2-yl- N^{C})pyridin-4-yl- C^{N}] ⁴ (pentane-2,4-dionato- I^{O}) ₂ iridium(III). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 354-356.	0.5	0
38	Blue Phosphorescent Iridium(III) Compounds with the 2,6-diisopropoxy-2,3-bipyridine Ligand. Bulletin of the Korean Chemical Society, 2018, 39, 703-706.	1.9	3
39	Homoleptic Iridium(III) Compounds Bearing Bulky Bipyridine Ligand for Potential Application to Organic Light-Emitting Diodes. Bulletin of the Korean Chemical Society, 2018, 39, 24-28.	1.9	3
40	Crystal structure of a twisted-ribbon type double-stranded Ag ^I coordination polymer: catena-poly[[silver(I)- I^{N} -bis(pyridin-3-ylmethyl)sulfane- I^{S}] ₃] ³ nitrate]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1587-1589.	0.5	0
41	TOWARD EFFICIENT ELECTRON-TRANSPORTING AND BLUE-EMITTING MATERIALS FOR ORGANIC LIGHT-EMITTING DIODES: STRUCTURE AND PHOTOLUMINESCENT PROPERTIES OF SILOLE DERIVATIVES. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 487-495.	1.8	2
42	Three-Dimensional Tetranuclear Cd(II) Coordination Network Based on a 1,3-Alternate Calix[4]arene Derivative. Bulletin of the Korean Chemical Society, 2015, 36, 2124-2127.	1.9	2
43	Crystal structure of 2,3-bipyridine-2,6-dicarbonitrile. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1272-1275.	0.5	2
44	Crystal structure and Hirshfeld surface analysis of 1,2-bis(2,6-diisopropoxy-[2,3-bipyridin]-6-yl)benzene. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1475-1479.	0.5	2
45	Crystal structure of bis[2-tert-butoxy-6-fluoro-3-(pyridin-2-yl- N^{C})pyridin-4-yl- I^{C}](pentane-2,4-dionato- I^{O}) ₂ iridium(III). Acta Crystallographica Section E: Structure Reports Online, 2014, 70, 427-429.	0.2	1
46	2,2-Bi(9,9-diethylfluorene). Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o185-o185.	0.2	1
47	Crystal structure of fac-[2-(4-methyl-5-phenylpyridin-2-yl)phenyl- I^{C}] ₂ [N]bis[2-(pyridin-2-yl)phenyl- I^{C}] ₂ iridium(III). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1768-1770.	0.5	1
48	Crystal structure of a Co ^{II} coordination polymer with a dipyriddy ligand: catena-poly[[bis(nitrato- I^{O}) ₂ cobalt(II)]- I^{N} -4-(pyridin-2-ylmethyl)pyridine-3-amine]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1696-1699.	0.5	0
49	Synthesis, crystal structure and photophysical properties of chlorido[2-(2,6-difluoro-2,3-bipyridin-6-yl- N^{C})Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td] ¹ iridium(III). Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 107-110.	0.5	1
50	Structures and photophysical properties of two luminescent bipyridine compounds: 2,6-difluoro-6-[3-(pyridin-2-yloxy)phenyl]-2,3-bipyridine and 2,6-dimethoxy-6-[3-(pyridin-2-yloxy)phenyl]-2,3-bipyridine. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 381-388.	0.5	1
51	Crystal structure of mer-tris{2,6-difluoro-3-[5-(2-fluorophenyl)pyridin-2-yl- N^{C}]pyridin-4-yl- C^{N}] ⁴ iridium(III) dichloromethane hemisolvate·hexane hemisolvate. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1952-1955.	0.5	1
52	Crystal structure and luminescent properties of bis[2,6-dimethyl-3-(pyridin-2-yl- N^{C})pyridin-4-yl- I^{C}] ⁴ (2,2,6,6-tetramethylheptane-3,5-dionato- I^{O}) ₂ iridium(III) ethyl acetate monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1206-1210.	0.5	1
53	Crystal Structure of 1,3-Bis(5,5'-N-7-azaindolyl-[2,2']bithiophenyl-3-yl)-1,1,3,3-tetraphenyl-disiloxane. Analytical Sciences: X-ray Structure Analysis Online, 2004, 20, X155-X156.	0.1	0
54	Crystal Structure of a 2-Biphenyl-2-yl-1,1,3,4-tetraphenyl-1H-silole. Analytical Sciences: X-ray Structure Analysis Online, 2004, 20, X81-X82.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Crystal Structure of 9,9-Diethyl-2-(biphenyl-4-ethynyl)fluorene. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X301-X302.	0.1	0
56	Crystal Structure of [1,13-Bis(8-quinolyl)-1,4,7,10,13-pentaoxatridecanylprotonato]hexafluorophosphate monohydrate. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X39-X40.	0.1	0
57	Meso-Helical Ag(I) Coordination Polymer Based on a Pyridylimidazole Ligand. Bulletin of the Korean Chemical Society, 2016, 37, 1152-1155.	1.9	0
58	Pd-180: Efficient Blue Phosphorescent Organic Light-Emitting Diode with Extremely High External Quantum Efficiency. Digest of Technical Papers SID International Symposium, 2020, 51, 2054-2057.	0.3	0
59	Crystal structure of a one-dimensional looped-chain silver(I) coordination polymer: catena-poly[[silver(I)-bis[1/4-[1-(5-isopropyl-1,1,3-terphenyl)-2-yl]-1H-imidazol-2-yl]pyridine-1/2N:N] nitrate methanol monosolvate monohydrate]. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 972-975.	0.5	0
60	Crystal structure of an AgI intercalation compound: catena-poly[[silver(I)-1/4-N-(pyridin-3-ylmethyl)pyridin-3-amine-1/2N:N] hexafluoridophosphate acetonitrile disolvate]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1542-1545.	0.5	0
61	A one-dimensional Hg ^{II} coordination polymer based on bis(pyridin-3-ylmethyl)sulfane. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1871-1874.	0.5	0
62	Crystal structure and Hirshfeld surface analysis of 2,2,6,6-tetramethoxy-3,2,5,3,6,3,3,3-octafluoro-1,4-dithiane. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1511-1514.	0.5	0
63	Crystal structure and luminescence properties of 2-[(2,6-dimethoxy-2,3-bipyridin-6-yl)oxy]-9-(pyridin-2-yl)-9H-carbazole. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1646-1649.	0.5	0
64	Synthesis, crystal structure and photophysical properties of bis[2,6-difluoro-3-(pyridin-2-yl)pyridine-1/2N:N](trifluoromethanesulfonato-1/2O) silver(I). Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1224-1228.	0.5	0