

# Soonnam Kwon

## List of Publications by Year in descending order

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32  
papers

1,157  
citations

567281

15  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carborane-Based Optoelectronically Active Organic Molecules: Wide Band Gap Host Materials for Blue Phosphorescence. <i>Journal of the American Chemical Society</i> , 2012, 134, 17982-17990.	13.7	224
2	Carborane Photochemistry Triggered by Aryl Substitution: Carborane-Based Dyads with Phenyl Carbazoles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2677-2680.	13.8	216
3	Construction and Commissioning of PAL-XFEL Facility. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 479.	2.5	108
4	Carborane Dyads for Photoinduced Electron Transfer: Photophysical Studies on Carbazole and Phenylcarborane Molecular Assemblies. <i>Chemistry - A European Journal</i> , 2014, 20, 5953-5960.	3.3	80
5	Interface electronic structures of organic light-emitting diodes with WO <sub>3</sub> interlayer: A study by photoelectron spectroscopy. <i>Organic Electronics</i> , 2009, 10, 637-642.	2.6	68
6	Silicon-Based Blue Phosphorescence Host Materials: Structure and Photophysical Property Relationship on Methyl/Phenylsilanes Adorned with 4-(N-Carbazolyl)phenyl Groups and Optimization of Their Electroluminescence by Peripheral 4-(N-Carbazolyl)phenyl Numbers. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19686-19693.	3.1	56
7	Development of inverted OLED with top ITO anode by plasma damage-free sputtering. <i>Thin Solid Films</i> , 2009, 517, 4019-4022.	1.8	46
8	Interface studies of Aluminum, 8-hydroxyquinolalithium (Li <sub>q</sub> ) and Alq <sub>3</sub> for inverted OLED application. <i>Organic Electronics</i> , 2008, 9, 407-412.	2.6	41
9	Hole Injection Enhancement by a WO <sub>3</sub> Interlayer in Inverted Organic Light-Emitting Diodes and Their Interfacial Electronic Structures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6599-6604.	3.1	29
10	Significance of irreversible formation of electromer in 1-bis[4-[N,N-di(4-tolyl)amino]phenyl]-cyclohexane layer associated with the stability of deep blue phosphorescent organic light emitting diodes. <i>Organic Electronics</i> , 2012, 13, 645-651.	2.6	28
11	Direct observation of the electronic states of photoexcited hematite with ultrafast 2p3d X-ray absorption spectroscopy and resonant inelastic X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2685-2692.	2.8	26
12	PAL-XFEL soft X-ray scientific instruments and X-ray optics: First commissioning results. <i>Review of Scientific Instruments</i> , 2018, 89, 055105.	1.3	23
13	Bis(4-(4,5-diphenyl-4H-1,2,4-triazol-3-yl)phenyl)dimethylsilane as Electron-Transport Material for Deep Blue Phosphorescent OLEDs. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 295-299.	4.6	21
14	The relationship between the device performance and hole mobility of host materials in mixed host system for deep blue phosphorescent organic light emitting devices. <i>Organic Electronics</i> , 2011, 12, 1973-1979.	2.6	18
15	Time-resolved resonant elastic soft x-ray scattering at Pohang Accelerator Laboratory X-ray Free Electron Laser. <i>Review of Scientific Instruments</i> , 2020, 91, 083904.	1.3	14
16	Carrier-specific dynamics in 2H-MoTe <sub>2</sub> observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. <i>Structural Dynamics</i> , 2021, 8, 014501.	2.3	14
17	Efficiency and colour optimization of carbazole based deep blue phosphorescent organic light emitting devices. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 235107.	2.8	9
18	Effects of intermolecular interaction on the energy distribution of valance electronic states of a carbazole-based material in amorphous thin films. <i>Journal of Chemical Physics</i> , 2012, 136, 204706.	3.0	9

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19	Dynamics of Molecular Orientation Observed Using Angle Resolved Photoemission Spectroscopy during Deposition of Pentacene on Graphite. <i>Analytical Chemistry</i> , 2016, 88, 4565-4570.	6.5	8
20	Investigation of Nonequilibrium Electronic Dynamics of Warm Dense Copper with Femtosecond X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , 2021, 127, 175003.	7.8	8
21	The effect of energy level offset between Ir dopant and carbazole hosts on the emission efficiency. <i>Applied Physics Letters</i> , 2010, 97, 023309.	3.3	7
22	Scientific instruments for soft X-ray photon-in/photon-out spectroscopy on the PAL-XFEL. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1031-1036.	2.4	7
23	Soft X-ray harmonic lasing self-seeded free electron laser at Pohang Accelerator Laboratory X-ray free electron laser. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	6
24	Femtosecond Charge Density Modulations in Photoexcited CuWO <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2021, 125, 7329-7336.	3.1	6
25	Hole Dynamics in Photoexcited Hematite Studied with Femtosecond Oxygen K-edge X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4207-4214.	4.6	5
26	Order-Disorder Transition in the Molecular Orientation during Initial Growth of Organic Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1896-1901.	8.0	4
27	Understanding the Unique Electronic Properties of Nano Structures Using Photoemission Theory. <i>Scientific Reports</i> , 2015, 5, 17834.	3.3	4
28	Femtosecond soft X-ray absorption spectroscopy of warm dense matter at the PAL-XFEL. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 953-958.	2.4	4
29	New technique for measuring carrier mobility using a modified boxcar integrator. <i>Review of Scientific Instruments</i> , 2009, 80, 096106.	1.3	2
30	Modeling angle-resolved photoemission of graphene and black phosphorus nano structures. <i>Scientific Data</i> , 2016, 3, 160031.	5.3	1
31	Silicon Based Inorganic/Organic Hybrid Materials for Deep Blue PHOLEDs. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1197, 25.	0.1	0
32	Materials for deep blue organic light emitting devices with ultra high thermal stability and charge mobility. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1360, 040301.	0.1	0