

Kwang Seob Jeong

List of Publications by Year in descending order

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28
papers

2,298
citations

567144

15
h-index

552653

26
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28
all docs

28
docs citations

28
times ranked

3725
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal-quantum-dot photovoltaics using atomic-ligand passivation. <i>Nature Materials</i> , 2011, 10, 765-771.	13.3	1,375
2	Enhanced Mobility-Lifetime Products in PbS Colloidal Quantum Dot Photovoltaics. <i>ACS Nano</i> , 2012, 6, 89-99.	7.3	244
3	Colloidal Quantum Dots Intraband Photodetectors. <i>ACS Nano</i> , 2014, 8, 11707-11714.	7.3	169
4	Air-Stable n-Doped Colloidal HgS Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1139-1143.	2.1	110
5	Mid-Infrared Intraband Transition of Metal Excess Colloidal Ag ₂ Se Nanocrystals. <i>ACS Photonics</i> , 2018, 5, 1907-1911.	3.2	52
6	Mid-Infrared Photoluminescence of CdS and CdSe Colloidal Quantum Dots. <i>ACS Nano</i> , 2016, 10, 2225-2231.	7.3	45
7	Singly and Doubly Occupied Higher Quantum States in Nanocrystals. <i>Nano Letters</i> , 2017, 17, 1187-1193.	4.5	33
8	Self-doped colloidal semiconductor nanocrystals with intraband transitions in steady state. <i>Chemical Communications</i> , 2018, 54, 8435-8445.	2.2	33
9	Tuning the Dielectric Properties of Organic Semiconductors via Salt Doping. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15866-15874.	1.2	30
10	Higher Quantum State Transitions in Colloidal Quantum Dot with Heavy Electron Doping. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22062-22068.	1.5	27
11	Vibrational Spectroscopy of Electronic Processes in Emerging Photovoltaic Materials. <i>Accounts of Chemical Research</i> , 2013, 46, 1538-1547.	7.6	25
12	Nanoscale Control of Amyloid Self-Assembly Using Protein Phase Transfer by Host-Guest Chemistry. <i>Scientific Reports</i> , 2017, 7, 5710.	1.6	20
13	High electron mobility of $\hat{\Gamma}^2$ -HgS colloidal quantum dots with doubly occupied quantum states. <i>RSC Advances</i> , 2017, 7, 38166-38170.	1.7	19
14	Transformation of Colloidal Quantum Dot: From Intraband Transition to Localized Surface Plasmon Resonance. <i>Nano Letters</i> , 2020, 20, 4985-4992.	4.5	19
15	Major Electronic Transition Shift from Bandgap to Localized Surface Plasmon Resonance in Cd _x Hg _{1-x} Se Alloy Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 8548-8554.	3.2	18
16	Cesium Lead Bromide Quantum Dot Light-Emitting Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21944-21951.	4.0	14
17	Multifunctional Self-Doped Nanocrystal Thin-Film Transistor Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7242-7249.	4.0	11
18	Blue Emission of $\hat{\Gamma}^2$ -GaN Colloidal Quantum Dots via Zn Doping. <i>Chemistry of Materials</i> , 2019, 31, 5370-5375.	3.2	9

#	ARTICLE	IF	CITATIONS
19	Midwavelength Infrared Photoluminescence and Lasing of Tellurium Elemental Solid and Microcrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4303-4309.	2.1	8
20	Intraband Transitions of Nanocrystals Transforming from Lead Selenide to Self-doped Silver Selenide Quantum Dots by Cation Exchange. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6138-6146.	2.1	8
21	Probing Distinct Fullerene Formation Processes from Carbon Precursors of Different Sizes and Structures. <i>Analytical Chemistry</i> , 2016, 88, 8232-8238.	3.2	6
22	Ultrafast intraband Auger process in self-doped colloidal quantum dots. <i>Matter</i> , 2021, 4, 1072-1086.	5.0	6
23	Extended Short-Wavelength Infrared Photoluminescence and Photocurrent of Nonstoichiometric Silver Telluride Colloidal Nanocrystals. <i>Nano Letters</i> , 2021, 21, 8073-8079.	4.5	6
24	Beyond the Bandgap Photoluminescence of Colloidal Semiconductor Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2562-2569.	2.1	4
25	Intraband transition and localized surface plasmon resonance of metal chalcogenide nanocrystals and their dependence on crystal structure. <i>CrystEngComm</i> , 2022, 24, 3828-3840.	1.3	4
26	Tailoring Transition Dipole Moment in Colloidal Nanocrystal Thin Film on Nanocomposite Materials. <i>Advanced Optical Materials</i> , 2022, 10, 2102050.	3.6	2
27	Midwavelength Infrared Colloidal Nanowire Laser. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1431-1437.	2.1	1
28	Intraband Energy State Study in Self-Doped Quantum Dots. , 0, , .		0