

# Yusuf Kelestemur

## List of Publications by Year in descending order

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50  
papers

2,080  
citations

218592

26  
h-index

276775

41  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Induced Paramagnetism in Colloidal Ag+-Doped CdSe Nanoplatelets. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2892-2899.	2.1	17
2	Plasmon-enhanced fluorescence in gold nanorod-quantum dot coupled systems. <i>Nanotechnology</i> , 2020, 31, 105201.	1.3	29
3	Fast Neutron Imaging with Semiconductor Nanocrystal Scintillators. <i>ACS Nano</i> , 2020, 14, 14686-14697.	7.3	34
4	Highly Stable, Near-Unity Efficiency Atomically Flat Semiconductor Nanocrystals of CdSe/ZnS Hetero-Nanoplatelets Enabled by ZnS-Shell Hot-Injection Growth. <i>Small</i> , 2019, 15, e1804854.	5.2	67
5	Orientation-Controlled Nonradiative Energy Transfer to Colloidal Nanoplatelets: Engineering Dipole Orientation Factor. <i>Nano Letters</i> , 2019, 19, 4297-4305.	4.5	53
6	Highly Stable Multicrown Heterostructures of Type-II Nanoplatelets for Ultralow Threshold Optical Gain. <i>Chemistry of Materials</i> , 2019, 31, 1818-1826.	3.2	37
7	Colloidal CdSe Quantum Wells with Graded Shell Composition for Low-Threshold Amplified Spontaneous Emission and Highly Efficient Electroluminescence. <i>ACS Nano</i> , 2019, 13, 13899-13909.	7.3	64
8	Understanding the Journey of Dopant Copper Ions in Atomically Flat Colloidal Nanocrystals of CdSe Nanoplatelets Using Partial Cation Exchange Reactions. <i>Chemistry of Materials</i> , 2018, 30, 3265-3275.	3.2	51
9	Exciton Dynamics of Colloidal Semiconductor Quantum Well Stacks. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018, , 365-367.	0.2	0
10	CdSe/CdSe <sub>x</sub> Te <sub>x</sub> Core/Crown Heteronoplatelets: Tuning the Excitonic Properties without Changing the Thickness. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4650-4658.	1.5	45
11	Alloyed Heterostructures of CdSe <sub>x</sub> S <sub>x</sub> Nanoplatelets with Highly Tunable Optical Gain Performance. <i>Chemistry of Materials</i> , 2017, 29, 4857-4865.	3.2	51
12	Near-Unity Emitting Copper-Doped Colloidal Semiconductor Quantum Wells for Luminescent Solar Concentrators. <i>Advanced Materials</i> , 2017, 29, 1700821.	11.1	133
13	Silica Nanoparticle Formation by Using Droplet-Based Microreactor. , 2017, , .		0
14	High-Efficiency Optical Gain in Type-II Semiconductor Nanocrystals of Alloyed Colloidal Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5317-5324.	2.1	37
15	Heterodoped Nanoparticles as Dual-Mode Contrast Agent for MRI. , 2017, , .		0
16	Colloidal Nanoplatelets: Platelet-Inspired Colloidal Quantum Wells: CdSe/CdS@CdS Core/Crown@Shell Heteronoplatelets ( <i>Adv. Funct. Mater.</i> 21/2016). <i>Advanced Functional Materials</i> , 2016, 26, 3554-3554.	7.8	2
17	Platelet-Inspired Colloidal Quantum Wells: CdSe/CdS@CdS Core/Crown@Shell Heteronoplatelets. <i>Advanced Functional Materials</i> , 2016, 26, 3570-3579.	7.8	72
18	Highly Efficient Nonradiative Energy Transfer from Colloidal Semiconductor Quantum Dots to Wells for Sensitive Noncontact Temperature Probing. <i>Advanced Functional Materials</i> , 2016, 26, 2891-2899.	7.8	16

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19	Quantum Dot/Light-Emitting Electrochemical Cell Hybrid Device and Mechanism of Its Operation. ACS Applied Materials & Interfaces, 2016, 8, 24692-24698.	4.0	41
20	Noncontact Temperature Probing: Highly Efficient Nonradiative Energy Transfer from Colloidal Semiconductor Quantum Dots to Wells for Sensitive Noncontact Temperature Probing (Adv. Funct. Tj ETQq0 0 0 ng8 /Overlock 10 Tf	2.8	10
21	Fluorescent Heterodoped Nanotetrapods as Synergistically Enhancing Positive and Negative Magnetic Resonance Imaging Contrast Agents. ACS Applied Materials & Interfaces, 2016, 8, 12352-12359.	4.0	2
22	Temperature-Dependent Emission Kinetics of Colloidal Semiconductor Nanoplatelets Strongly Modified by Stacking. Journal of Physical Chemistry Letters, 2016, 7, 548-554.	2.1	28
23	Colloidal Nanoplatelet/Conducting Polymer Hybrids: Excitonic and Material Properties. Journal of Physical Chemistry C, 2016, 120, 3573-3582.	1.5	11
24	Excitonic improvement of colloidal nanocrystals in salt powder matrix for quality lighting and color enrichment. Optics Express, 2016, 24, A74.	1.7	8
25	Flexible and fragmentable tandem photosensitive nanocrystal skins. Nanoscale, 2016, 8, 4495-4503.	2.8	5
26	Silica Synthesis and Coating of Quantum Dots in Droplet Based Microreactors. , 2015, , .		0
27	Continuously Tunable Emission in Inverted Type-II CdS/CdSe Core/Crown Semiconductor Nanoplatelets. Advanced Functional Materials, 2015, 25, 4282-4289.	7.8	52
28	High-efficiency high-quality street lighting with colloidal quantum dot nanophosphors. , 2015, , .		0
29	Type-II Colloidal Quantum Wells: CdSe/CdTe Core/Crown Heteronanoplatelets. Journal of Physical Chemistry C, 2015, 119, 2177-2185.	1.5	70
30	Nonradiative energy transfer in colloidal CdSe nanoplatelet films. Nanoscale, 2015, 7, 2545-2551.	2.8	58
31	Stable and efficient colour enrichment powders of nonpolar nanocrystals in LiCl. Nanoscale, 2015, 7, 17611-17616.	2.8	17
32	Implementation of graphene multilayer electrodes in quantum dot light-emitting devices. Applied Physics A: Materials Science and Processing, 2015, 120, 1197-1203.	1.1	2
33	Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser. Advanced Materials, 2015, 27, 2741-2746.	11.1	92
34	Lateral Size-Dependent Spontaneous and Stimulated Emission Properties in Colloidal CdSe Nanoplatelets. ACS Nano, 2015, 9, 5041-5050.	7.3	154
35	Upconversion Lasers: Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser (Adv. Mater. 17/2015). Advanced Materials, 2015, 27, 2678-2678.	11.1	2
36	Experimental Determination of the Absorption Cross-Section and Molar Extinction Coefficient of Colloidal CdSe Nanoplatelets. Journal of Physical Chemistry C, 2015, 119, 26768-26775.	1.5	146

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37	Manganese Doped Fluorescent Paramagnetic Nanocrystals for Dual-Modal Imaging. <i>Small</i> , 2014, 10, 4961-4966.	5.2	31
38	Energy-saving quality road lighting with colloidal quantum dot nanophosphors. <i>Nanophotonics</i> , 2014, 3, 373-381.	2.9	14
39	Stacking in Colloidal Nanoplatelets: Tuning Excitonic Properties. <i>ACS Nano</i> , 2014, 8, 12524-12533.	7.3	134
40	Low-threshold optical gain and lasing of colloidal nanoplatelets. , 2014, , .		2
41	Type-tunable amplified spontaneous emission from core-seeded CdSe/CdS nanorods controlled by exciton-exciton interaction. <i>Nanoscale</i> , 2014, 6, 8509-8514.	2.8	30
42	Ultralow Threshold One-Photon- and Two-Photon-Pumped Optical Gain Media of Blue-Emitting Colloidal Quantum Dot Films. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2214-2218.	2.1	41
43	Tunable White-Light-Emitting Mn-Doped ZnSe Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3654-3660.	4.0	67
44	Amplified Spontaneous Emission and Lasing in Colloidal Nanoplatelets. <i>ACS Nano</i> , 2014, 8, 6599-6605.	7.3	288
45	Attractive versus Repulsive Excitonic Interactions of Colloidal Quantum Dots Control Blue- to Red-Shifting (and Non-shifting) Amplified Spontaneous Emission. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4146-4152.	2.1	38
46	Evidence for Nonradiative Energy Transfer in Graphene-Oxide-Based Hybrid Structures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25298-25304.	1.5	19
47	Observation of Biexcitons in Nanocrystal Solids in the Presence of Photocharging. <i>ACS Nano</i> , 2013, 7, 4799-4809.	7.3	18
48	Blue- and red-shifting amplified spontaneous emission of CdSe/CdS core/shell colloidal quantum dots. , 2013, , .		0
49	Type-tuning of quasi-type-II CdSe/CdS seeded core/shell nanorods: type-I vs. type-II. , 2013, , .		0
50	Observation of biexcitons in the presence of trions generated via sequential absorption of multiple photons in colloidal quantum dot solids. , 2012, , .		0