

# Savas Delikani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2688573/publications.pdf>

Version: 2024-02-01

42  
papers

1,710  
citations

394421

19  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplified Spontaneous Emission and Lasing in Colloidal Nanoplatelets. ACS Nano, 2014, 8, 6599-6605.	14.6	288
2	Lateral Size-Dependent Spontaneous and Stimulated Emission Properties in Colloidal CdSe Nanoplatelets. ACS Nano, 2015, 9, 5041-5050.	14.6	154
3	Experimental Determination of the Absorption Cross-Section and Molar Extinction Coefficient of Colloidal CdSe Nanoplatelets. Journal of Physical Chemistry C, 2015, 119, 26768-26775.	3.1	146
4	Near-Unity Emitting Copper-Doped Colloidal Semiconductor Quantum Wells for Luminescent Solar Concentrators. Advanced Materials, 2017, 29, 1700821.	21.0	133
5	Type-II Colloidal Quantum Wells: CdSe/CdTe Core/Crown Heteronoplatelets. Journal of Physical Chemistry C, 2015, 119, 2177-2185.	3.1	70
6	Mn <sup>2+</sup> -Doped CdSe/CdS Core/Multishell Colloidal Quantum Wells Enabling Tunable Carrier-Dopant Exchange Interactions. ACS Nano, 2015, 9, 12473-12479.	14.6	63
7	Nanocrystal light-emitting diodes based on type II nanoplatelets. Nano Energy, 2018, 47, 115-122.	16.0	62
8	Room temperature ferromagnetism in Mn-doped CdS nanorods. Applied Physics Letters, 2008, 93, .	3.3	61
9	Ultrathin Highly Luminescent Two-Monolayer Colloidal CdSe Nanoplatelets. Advanced Functional Materials, 2019, 29, 1901028.	14.9	56
10	Continuously Tunable Emission in Inverted Type-II CdS/CdSe Core/Crown Semiconductor Nanoplatelets. Advanced Functional Materials, 2015, 25, 4282-4289.	14.9	52
11	Understanding the Journey of Dopant Copper Ions in Atomically Flat Colloidal Nanocrystals of CdSe Nanoplatelets Using Partial Cation Exchange Reactions. Chemistry of Materials, 2018, 30, 3265-3275.	6.7	51
12	Ultrahigh-efficiency aqueous flat nanocrystals of CdSe/CdS@Cd <sub>1-x</sub> Zn <sub>x</sub> S colloidal core/crown@alloyed-shell quantum wells. Nanoscale, 2019, 11, 301-310.	5.6	44
13	Low-threshold lasing from colloidal CdSe/CdSeTe core/alloyed-crown type-II heteronoplatelets. Nanoscale, 2018, 10, 9466-9475.	5.6	43
14	Electrically control amplified spontaneous emission in colloidal quantum dots. Science Advances, 2019, 5, eaav3140.	10.3	43
15	Two-Dimensional CdSe-Based Nanoplatelets: Their Heterostructures, Doping, Photophysical Properties, and Applications. Proceedings of the IEEE, 2020, 108, 655-675.	21.3	39
16	Sub-single exciton optical gain threshold in colloidal semiconductor quantum wells with gradient alloy shelling. Nature Communications, 2020, 11, 3305.	12.8	39
17	sp <sup>2</sup> Exchange Interactions in Wave Function Engineered Colloidal CdSe/Mn:CdS Hetero-Nanoplatelets. Nano Letters, 2018, 18, 2047-2053.	9.1	32
18	Coreless Fiber-Based Whispering-Gallery-Mode Assisted Lasing from Colloidal Quantum Well Solids. Advanced Functional Materials, 2020, 30, 1907417.	14.9	31

#	ARTICLE	IF	CITATIONS
19	Carrier-dopant exchange interactions in Mn-doped PbS colloidal quantum dots. Applied Physics Letters, 2012, 101, 062410.	3.3	28
20	All-optical control of exciton flow in a colloidal quantum well complex. Light: Science and Applications, 2020, 9, 27.	16.6	21
21	Magneto-Optics of Excitons Interacting with Magnetic Ions in CdSe/CdMnS Colloidal Nanoplatelets. ACS Nano, 2020, 14, 9032-9041.	14.6	20
22	Ultrahigh Green and Red Optical Gain Cross Sections from Solutions of Colloidal Quantum Well Heterostructures. Journal of Physical Chemistry Letters, 2021, 12, 2177-2182.	4.6	20
23	Synthesis of monodisperse CdS nanorods catalyzed by Au nanoparticles. Nano Research, 2008, 1, 314-320.	10.4	19
24	Optical Microfluidic Waveguides and Solution Lasers of Colloidal Semiconductor Quantum Wells. Advanced Materials, 2021, 33, e2007131.	21.0	19
25	Low-Threshold Lasing from Copper-Doped CdSe Colloidal Quantum Wells. Laser and Photonics Reviews, 2021, 15, 2100034.	8.7	18
26	Light-Induced Paramagnetism in Colloidal Ag <sup>+</sup> -Doped CdSe Nanoplatelets. Journal of Physical Chemistry Letters, 2021, 12, 2892-2899.	4.6	17
27	Ultralow Threshold Optical Gain Enabled by Quantum Rings of Inverted Type-II CdS/CdSe Core/Crown Nanoplatelets in the Blue. Advanced Optical Materials, 2021, 9, 2002220.	7.3	16
28	Spectrally Resolved Nonlinear Optical Properties of Doped <i>versus</i> Undoped Quasi-2D Semiconductor Nanocrystals: Copper and Silver Doping Provokes Strong Nonlinearity in Colloidal CdSe Nanoplatelets. ACS Photonics, 2022, 9, 256-267.	6.6	15
29	Deep-Red-Emitting Colloidal Quantum Well Light-Emitting Diodes Enabled through a Complex Design of Core/Crown/Double Shell Heterostructure. Small, 2022, 18, e2106115.	10.0	15
30	Blue-Emitting CdSe Nanoplatelets Enabled by Sulfur-Alloyed Heterostructures for Light-Emitting Diodes with Low Turn-on Voltage. ACS Applied Nano Materials, 2022, 5, 1367-1376.	5.0	14
31	Mutual Energy Transfer in a Binary Colloidal Quantum Well Complex. Journal of Physical Chemistry Letters, 2019, 10, 5193-5199.	4.6	13
32	Persuasive Evidence for Electron-Nuclear Coupling in Diluted Magnetic Colloidal Nanoplatelets Using Optically Detected Magnetic Resonance Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 4437-4447.	4.6	12
33	Optically detected magnetic resonance in CdSe/CdMnS nanoplatelets. Nanoscale, 2020, 12, 21932-21939.	5.6	10
34	Management of electroluminescence from silver-doped colloidal quantum well light-emitting diodes. Cell Reports Physical Science, 2022, 3, 100860.	5.6	10
35	CdSe/CdMnS Nanoplatelets with Bilayer Core and Magnetically Doped Shell Exhibit Switchable Excitonic Circular Polarization: Implications for Lasers and Light-Emitting Diodes. ACS Applied Nano Materials, 2020, 3, 3151-3156.	5.0	9
36	MoS <sub>2</sub> Phototransistor Sensitized by Colloidal Semiconductor Quantum Wells. Advanced Optical Materials, 2020, 8, 2001198.	7.3	8

#	ARTICLE	IF	CITATIONS
37	Single-Mode Lasing from a Single 7 nm Thick Monolayer of Colloidal Quantum Wells in a Monolithic Microcavity. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000479.	8.7	8
38	Impurity incorporation and exchange interactions in Co <sup>2+</sup> -doped CdSe/CdS core/shell nanoplatelets. <i>Journal of Chemical Physics</i> , 2019, 151, 224708.	3.0	4
39	Modulating Emission Properties in a Host-Guest Colloidal Quantum Well Superlattice. <i>Advanced Optical Materials</i> , 2022, 10, 2101756.	7.3	4
40	Solution Lasing: Optical Microfluidic Waveguides and Solution Lasers of Colloidal Semiconductor Quantum Wells ( <i>Adv. Mater.</i> 10/2021). <i>Advanced Materials</i> , 2021, 33, 2170070.	21.0	2
41	Inverted Type-I CdS/CdSe Core/Crown colloidal quantum ring. , 2017, , .		1
42	Modulating Emission Properties in a Host-Guest Colloidal Quantum Well Superlattice ( <i>Advanced</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	7.3	0