Savas Delikani

List of Publications by Year in descending order

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	Spectrally Resolved Nonlinear Optical Properties of Doped Versus 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
2	Modulating Emission Properties in a Hostâ€“Guest Colloidal Quantum Well Superlattice (Advanced) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.3	0
3	Modulating Emission Properties in a Hostâ€“Guest Colloidal Quantum Well Superlattice. Advanced Optical Materials, 2022, 10, 2101756.	7.3	4
4	Deepâ€Redâ€Emitting Colloidal Quantum Well Lightâ€Emitting Diodes Enabled through a Complex Design of Core/Crown/Double Shell Heterostructure. Small, 2022, 18, e2106115.	10.0	15
5	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
6	Management of electroluminescence from silver-doped colloidal quantum well light-emitting diodes. Cell Reports Physical Science, 2022, 3, 100860.	5.6	10
7	Optical Microfluidic Waveguides and Solution Lasers of Colloidal Semiconductor Quantum Wells. Advanced Materials, 2021, 33, e2007131.	21.0	19
8	Ultralow Threshold Optical Gain Enabled by Quantum Rings of Inverted Typeâ€I CdS/CdSe Core/Crown Nanoplatelets in the Blue. Advanced Optical Materials, 2021, 9, 2002220.	7.3	16
9	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
10	Solution Lasing: Optical Microfluidic Waveguides and Solution Lasers of Colloidal Semiconductor Quantum Wells (Adv. Mater. 10/2021). Advanced Materials, 2021, 33, 2170070.	21.0	2
11	Light-Induced Paramagnetism in Colloidal Ag+-Doped CdSe Nanoplatelets. Journal of Physical Chemistry Letters, 2021, 12, 2892-2899.	4.6	17
12	Singleâ€Mode Lasing from a Single 7 nm Thick Monolayer of Colloidal Quantum Wells in a Monolithic Microcavity. Laser and Photonics Reviews, 2021, 15, 2000479.	8.7	8
13	Lowâ€Threshold Lasing from Copperâ€Doped CdSe Colloidal Quantum Wells. Laser and Photonics Reviews, 2021, 15, 2100034.	8.7	18
14	Coreless Fiberâ€Based Whisperingâ€Galleryâ€Mode Assisted Lasing from Colloidal Quantum Well Solids. Advanced Functional Materials, 2020, 30, 1907417.	14.9	31
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	MoS₂ Phototransistor Sensitized by Colloidal Semiconductor Quantum Wells. Advanced Optical Materials, 2020, 8, 2001198.	7.3	8
17	Optically detected magnetic resonance in CdSe/CdMnS nanoplatelets. Nanoscale, 2020, 12, 21932-21939.	5.6	10
18	All-optical control of exciton flow in a colloidal quantum well complex. Light: Science and Applications, 2020, 9, 27.	16.6	21

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19	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
20	Sub-single exciton optical gain threshold in colloidal semiconductor quantum wells with gradient alloy shelling. Nature Communications, 2020, 11, 3305.	12.8	39
21	Magneto-Optics of Excitons Interacting with Magnetic Ions in CdSe/CdMnS Colloidal Nanoplatelets. ACS Nano, 2020, 14, 9032-9041.	14.6	20
22	Persuasive Evidence for Electronâ€“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
23	Ultrathin Highly Luminescent Twoâ€Monolayer Colloidal CdSe Nanoplatelets. Advanced Functional Materials, 2019, 29, 1901028.	14.9	56
24	Electrically control amplified spontaneous emission in colloidal quantum dots. Science Advances, 2019, 5, eaav3140.	10.3	43
25	Mutual Energy Transfer in a Binary Colloidal Quantum Well Complex. Journal of Physical Chemistry Letters, 2019, 10, 5193-5199.	4.6	13
26	Ultrahigh-efficiency aqueous flat nanocrystals of CdSe/CdS@Cd_{1â^'x}Zn_xS colloidal core/crown@alloyed-shell quantum wells. Nanoscale, 2019, 11, 301-310.	5.6	44
27	Impurity incorporation and exchange interactions in Co2+-doped CdSe/CdS core/shell nanoplatelets. Journal of Chemical Physics, 2019, 151, 224708.	3.0	4
28	spâ€“d Exchange Interactions in Wave Function Engineered Colloidal CdSe/Mn:CdS Hetero-Nanoplatelets. Nano Letters, 2018, 18, 2047-2053.	9.1	32
29	Low-threshold lasing from colloidal CdSe/CdSeTe core/alloyed-crown type-II heteronanoplatelets. Nanoscale, 2018, 10, 9466-9475.	5.6	43
30	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
31	Nanocrystal light-emitting diodes based on type II nanoplatelets. Nano Energy, 2018, 47, 115-122.	16.0	62
32	Nearâ€Unity Emitting Copperâ€Doped Colloidal Semiconductor Quantum Wells for Luminescent Solar Concentrators. Advanced Materials, 2017, 29, 1700821.	21.0	133
33	Inverted Type-I CdS/CdSe Core/Crown colloidal quantum ring. , 2017, , .		1
34	Continuously Tunable Emission in Inverted Typeâ€I CdS/CdSe Core/Crown Semiconductor Nanoplatelets. Advanced Functional Materials, 2015, 25, 4282-4289.	14.9	52
35	Type-II Colloidal Quantum Wells: CdSe/CdTe Core/Crown Heteronanoplatelets. Journal of Physical Chemistry C, 2015, 119, 2177-2185.	3.1	70
36	Lateral Size-Dependent Spontaneous and Stimulated Emission Properties in Colloidal CdSe Nanoplatelets. ACS Nano, 2015, 9, 5041-5050.	14.6	154

#	Article	IF	Citations
37	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
38	Mn²⁺-Doped CdSe/CdS Core/Multishell Colloidal Quantum Wells Enabling Tunable Carrierâ€“Dopant Exchange Interactions. ACS Nano, 2015, 9, 12473-12479.	14.6	63
39	Amplified Spontaneous Emission and Lasing in Colloidal Nanoplatelets. ACS Nano, 2014, 8, 6599-6605.	14.6	288
40	Carrier-dopant exchange interactions in Mn-doped PbS colloidal quantum dots. Applied Physics Letters, 2012, 101, 062410.	3.3	28
41	Synthesis of monodisperse CdS nanorods catalyzed by Au nanoparticles. Nano Research, 2008, 1, 314-320.	10.4	19
42	Room temperature ferromagnetism in Mn-doped CdS nanorods. Applied Physics Letters, 2008, 93, .	3.3	61