

# Pavel Moroz

## List of Publications by Year in descending order

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37  
papers

1,287  
citations

361413

20  
h-index

345221

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all docs

37  
docs citations

37  
times ranked

2395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Dimensionality of Excitons in Colloidal Quantum Dot Molecules. <i>Nano Letters</i> , 2021, 21, 7339-7346.	9.1	9
2	Energy Transport in CsPbBr <sub>3</sub> Perovskite Nanocrystal Solids. <i>ACS Photonics</i> , 2020, 7, 154-164.	6.6	19
3	Enabling Narrow Emission Line Widths in Colloidal Nanocrystals through Coalescence Growth. <i>Chemistry of Materials</i> , 2020, 32, 7524-7534.	6.7	9
4	Self-Assembled PbS/CdS Quantum Dot Films with Switchable Symmetry and Emission. <i>Chemistry of Materials</i> , 2019, 31, 7855-7863.	6.7	5
5	Delayed Photoluminescence in Metal-Conjugated Fluorophores. <i>Journal of the American Chemical Society</i> , 2019, 141, 11286-11297.	13.7	26
6	Colloidal semiconductor nanocrystals in energy transfer reactions. <i>Chemical Communications</i> , 2019, 55, 3033-3048.	4.1	31
7	Just Add Ligands: Self-Sustained Size Focusing of Colloidal Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 1391-1398.	6.7	38
8	Thermally activated delayed photoluminescence from pyrenyl-functionalized CdSe quantum dots. <i>Nature Chemistry</i> , 2018, 10, 225-230.	13.6	129
9	Ion-Mediated Ligand Exchange and Size Focusing of Semiconductor Nanocrystals in Ligand-Saturated Solutions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23623-23630.	3.1	6
10	Challenges and Prospects of Photocatalytic Applications Utilizing Semiconductor Nanocrystals. <i>Frontiers in Chemistry</i> , 2018, 6, 353.	3.6	42
11	Competition of Charge and Energy Transfer Processes in Donor-Acceptor Fluorescence Pairs: Calibrating the Spectroscopic Ruler. <i>ACS Nano</i> , 2018, 12, 5657-5665.	14.6	38
12	One-Dimensional Carrier Confinement in "Giant" CdS/CdSe Excitonic Nanoshells. <i>Journal of the American Chemical Society</i> , 2017, 139, 7815-7822.	13.7	44
13	Tracking the Energy Flow on Nanoscale <i>via</i> Sample-Transmitted Excitation Photoluminescence Spectroscopy. <i>ACS Nano</i> , 2017, 11, 4191-4197.	14.6	15
14	Enhanced Emission of Nanocrystal Solids Featuring Slowly Diffusive Excitons. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1477-1487.	3.1	20
15	Energy Transfer in Quantum Dot Solids. <i>ACS Energy Letters</i> , 2017, 2, 154-160.	17.4	87
16	Double-Well Colloidal Nanocrystals Featuring Two-Color Photoluminescence. <i>Chemistry of Materials</i> , 2017, 29, 7852-7858.	6.7	19
17	Plasmon-Induced Energy Transfer: When the Game Is Worth the Candle. <i>ACS Photonics</i> , 2017, 4, 2290-2297.	6.6	20
18	Lifting the Spectral Crosstalk in Multifluorophore Assemblies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26226-26232.	3.1	15

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19	Colloidal Synthesis of Monodisperse Semiconductor Nanocrystals through Saturated Ionic Layer Adsorption. <i>Chemistry of Materials</i> , 2016, 28, 2823-2833.	6.7	14
20	One-dimensional growth of colloidal PbSe nanorods in chloroalkanes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 833-837.	2.4	4
21	Ultrafast Photochemistry of Copper(II) Monochlorocomplexes in Methanol and Acetonitrile by Broadband Deep-UV-to-Near-IR Femtosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1833-1844.	2.5	15
22	Optical techniques for probing the excited state dynamics of quantum dot solids. <i>Chemical Physics</i> , 2016, 471, 59-68.	1.9	9
23	Mapping the Exciton Diffusion in Semiconductor Nanocrystal Solids. <i>ACS Nano</i> , 2015, 9, 2926-2937.	14.6	56
24	Exciton Generation in Semiconductor Nanocrystals via the Near-Field Plasmon Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15562-15571.	3.1	18
25	Measuring the Time-Dependent Monomer Concentration during the Hot-Injection Synthesis of Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 6102-6108.	6.7	9
26	Photocatalytic Applications of Colloidal Heterostructured Nanocrystals: What's Next?. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4352-4359.	4.6	47
27	Plasmonic Nanocrystal Solar Cells Utilizing Strongly Confined Radiation. <i>ACS Nano</i> , 2014, 8, 12549-12559.	14.6	50
28	Infrared Emitting PbS Nanocrystal Solids through Matrix Encapsulation. <i>Chemistry of Materials</i> , 2014, 26, 4256-4264.	6.7	47
29	Enhanced Lifetime of Excitons in Nonepitaxial Au/CdS Core/Shell Nanocrystals. <i>ACS Nano</i> , 2014, 8, 352-361.	14.6	81
30	Suppressed Carrier Scattering in CdS-Encapsulated PbS Nanocrystal Films. <i>ACS Nano</i> , 2013, 7, 6964-6977.	14.6	41
31	Improving the Catalytic Activity of Semiconductor Nanocrystals through Selective Domain Etching. <i>Nano Letters</i> , 2013, 13, 2016-2023.	9.1	84
32	Harvesting Solar Energy by Means of Charge-Separating Nanocrystals and Their Solids. <i>Journal of Visualized Experiments</i> , 2012, , e4296.	0.3	0
33	Photocatalytic Activity of Core/Shell Semiconductor Nanocrystals Featuring Spatial Separation of Charges. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22786-22793.	3.1	38
34	The Effect of the Charge-Separating Interface on Exciton Dynamics in Photocatalytic Colloidal Heteronanocrystals. <i>ACS Nano</i> , 2012, 6, 8156-8165.	14.6	110
35	Inorganic Solids of CdSe Nanocrystals Exhibiting High Emission Quantum Yield. <i>Advanced Functional Materials</i> , 2012, 22, 3714-3722.	14.9	36
36	Thermolysis and acid-catalyzed decomposition of 4-diazotetrahydrofuran-3-ones. A new efficient synthesis of tetrasubstituted dihydrofuran-3-ones. <i>Russian Journal of Organic Chemistry</i> , 2012, 48, 602-604.	0.8	6

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37	Fabrication of All-Inorganic Nanocrystal Solids through Matrix Encapsulation of Nanocrystal Arrays. Journal of the American Chemical Society, 2011, 133, 20488-20499.	13.7	50