

# Gennadiy Derkachov

## List of Publications by Year in descending order

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22  
papers

278  
citations

933447

10  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Highly Ordered Spherical Aggregates from Drying Microdroplets of Colloidal Suspension. <i>Langmuir</i> , 2015, 31, 7860-7868.	3.5	32
2	Drying of a Microdroplet of Water Suspension of Nanoparticles: from Surface Aggregates to Microcrystal. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16919-16923.	3.1	31
3	Evaporation of Micro-Droplets: the "Radius-Square-Law" Revisited. <i>Acta Physica Polonica A</i> , 2012, 122, 709-716.	0.5	30
4	Electronic structure of CdO studied by soft X-ray spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 249-253.	1.7	25
5	Combining weighting and scatterometry: Application to a levitated droplet of suspension. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 126, 99-104.	2.3	23
6	Dipole and quadrupole surface plasmon resonance contributions in formation of near-field images of a gold nanosphere. <i>Opto-electronics Review</i> , 2010, 18, .	2.4	21
7	Simultaneous determination of mass and thermal accommodation coefficients from temporal evolution of an evaporating water microdroplet. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1978-1983.	2.8	20
8	Study of microscopic properties of water fullerene suspensions by means of resonant light scattering analysis. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2918-2924.	2.8	15
9	Local-field resonance in light scattering by a single water droplet with spherical dielectric inclusions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 2320.	1.5	11
10	High-Precision Temperature Determination of Evaporating Light-Absorbing and Non-Light-Absorbing Droplets. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12566-12574.	2.6	11
11	Surface States of Microdroplet of Suspension. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10598-10602.	3.1	10
12	Surface diagnostics of evaporating droplets of nanosphere suspension: Fano interference and surface pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6881-6888.	2.8	10
13	Interaction of optical Whispering Gallery Modes with the surface layer of evaporating droplet of suspension. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 138-145.	2.3	9
14	Evolution of radius and light scattering properties of single drying microdroplets of colloidal suspension. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 202, 168-175.	2.3	9
15	XANES: observation of quantum confinement in the conduction band of colloidal PbS quantum dots. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012030.	0.4	5
16	Optical diagnostics of a single evaporating droplet using fast parallel computing on graphics processing units. <i>Opto-electronics Review</i> , 2016, 24, .	2.4	3
17	Fast data preprocessing with Graphics Processing Units for inverse problem solving in light-scattering measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 195, 189-195.	2.3	3
18	Sizing of single evaporating droplet with Near-Forward Elastic Scattering Spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 202, 335-341.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Sodium dodecyl sulfate microaggregates with diversely developed surfaces: Formation from free microdroplets of colloidal suspension. European Physical Journal Plus, 2019, 134, 1.	2.6	3
20	Application of dynamic light scattering for studying the evolution of micro- and nano-droplets. , 2018, , .		2
21	Experimental observation of quantum confinement in the conduction band of PbS quantum dots. X-Ray Spectrometry, 2013, 42, 197-200.	1.4	1
22	Collective Scattering of Light on Gold Nanospheres Dispersed in Diethylene Glycol Microdroplet. Acta Physica Polonica A, 2017, 131, 288-293.	0.5	1