

# George Y Panasyuk

## List of Publications by Year in descending order

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28  
papers

469  
citations

759233

12  
h-index

713466

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size effects in energy transport between thermal contacts mediated by nanoparticles. <i>Physical Review E</i> , 2019, 99, 032141.	2.1	2
2	Overcoming the adverse effects of substrate on the waveguiding properties of plasmonic nanoparticle chains. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	12
3	Radiative transport and optical tomography with large datasets. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 551.	1.5	10
4	Quasi-Static Energy Transport between Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1779, 1-6.	0.1	0
5	Modeling the quasistatic energy transport between nanoparticles. <i>Physical Review E</i> , 2015, 92, 062138.	2.1	1
6	Size Effects in Quasi-Static Energy Transport for Microscopic Quantum Systems. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1704, 22.	0.1	2
7	Size effects in long-term quasistatic heat transport. <i>Physical Review E</i> , 2013, 87, 062118.	2.1	6
8	Heat Transport between Heat Reservoirs Mediated by Quantum Systems. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1543, 43-48.	0.1	0
9	Theory of collisional electron spectroscopy for gas analysis. <i>Journal of Applied Physics</i> , 2012, 111, 114503.	2.5	0
10	Heat exchange mediated by a quantum system. <i>Physical Review E</i> , 2012, 86, 021116.	2.1	18
11	Quantum theory of the electromagnetic response of metal nanofilms. <i>Physical Review B</i> , 2011, 84, .	3.2	8
12	Theoretical and numerical investigation of the size-dependent optical effects in metal nanoparticles. <i>Physical Review B</i> , 2011, 84, .	3.2	29
13	The Green's function for the radiative transport equation in the slab geometry. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 065402.	2.1	58
14	Phaseless Three-Dimensional Optical Nanoimaging. <i>Physical Review Letters</i> , 2009, 103, 213901.	7.8	16
15	Short-distance expansion for the electromagnetic half-space Green's tensor: general results and an application to radiative lifetime computations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 275203.	2.1	20
16	Diffusion approximation revisited. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 1291.	1.5	9
17	Fluorescent optical tomography with large data sets. <i>Optics Letters</i> , 2008, 33, 1744.	3.3	29
18	Imaging complex structures with diffuse light. <i>Optics Express</i> , 2008, 16, 5048.	3.4	89

#	ARTICLE	IF	CITATIONS
19	Classical Theory of Optical Nonlinearity in Conducting Nanoparticles. Physical Review Letters, 2008, 100, 047402.	7.8	30
20	Optical Tomography with Large Data Sets and Analytic Reconstruction Formulas. , 2008, , .		0
21	New Approach to Solving the Radiative Transport Equation. , 2006, , MH2.		0
22	Radiative transport equation in rotated reference frames. Journal of Physics A, 2006, 39, 115-137.	1.6	53
23	Nonlinear inverse scattering and three-dimensional near-field optical imaging. Applied Physics Letters, 2006, 89, 221116.	3.3	16
24	Transport-corrected diffusion theory for image reconstruction in optical tomography. , 2005, , .		0
25	Superresolution and corrections to the diffusion approximation in optical tomography. Applied Physics Letters, 2005, 87, 101111.	3.3	12
26	Experimental demonstration of an analytic method for image reconstruction in optical diffusion tomography with large data sets. Optics Letters, 2005, 30, 3338.	3.3	48
27	The geometrical optics approach in liquid crystal cells with two- and three-dimensional director variations. , 2004, , .		0
28	Dynamics near the critical point of systems with tensor order parameter. Theoretical and Mathematical Physics(Russian Federation), 1980, 45, 915-919.	0.9	0