

# Maria Bardosova

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

585  
citations

758635

12  
h-index

940134

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Langmuir-Blodgett Approach to Making Colloidal Photonic Crystals from Silica Spheres. <i>Advanced Materials</i> , 2010, 22, 3104-3124.	11.1	151
2	Using network science and text analytics to produce surveys in a scientific topic. <i>Journal of Informetrics</i> , 2016, 10, 487-502.	1.4	94
3	Large Area 2D and 3D Colloidal Photonic Crystals Fabricated by a Roll-to-Roll Langmuir-Blodgett Method. <i>Langmuir</i> , 2016, 32, 5862-5869.	1.6	81
4	Planar photonic solar concentrators for building-integrated photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 104, 53-57.	3.0	38
5	A facile method for the synthesis of highly monodisperse silica@gold@silica core-shell particles and their use in the fabrication of three-dimensional metallodielectric photonic crystals. <i>Journal of Materials Chemistry</i> , 2012, 22, 11978.	6.7	32
6	Large area colloidal photonic crystals for light trapping in flexible organic photovoltaic modules applied using a roll-to-roll Langmuir-Blodgett method. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 158-165.	3.0	31
7	Langmuir-Blodgett assembly of colloidal photonic crystals using silica particles prepared without the use of surfactant molecules. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 816-819.	5.0	27
8	Broadband Omnidirectional Diversion of Light in Hybrid Plasmonic-Photonic Heterocrystals. <i>Advanced Functional Materials</i> , 2011, 21, 4182-4192.	7.8	24
9	Suppression of the critical angle of diffraction in thin-film colloidal photonic crystals. <i>Physical Review B</i> , 2010, 82, .	1.1	19
10	Engineered Light Scattering in Colloidal Photonic Heterocrystals. <i>Advanced Functional Materials</i> , 2010, 20, 853-860.	7.8	18
11	Novel photonic crystal thin films using the Langmuir-Blodgett approach. <i>Physica B: Condensed Matter</i> , 2007, 394, 233-237.	1.3	17
12	Large-area flexible colloidal photonic crystal film stickers for light trapping applications. <i>Optical Materials Express</i> , 2018, 8, 960.	1.6	17
13	Controlled self-assembly of Langmuir-Blodgett colloidal crystal films of monodispersed silica particles on non-planar substrates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124625.	2.3	13
14	Large-area flexible 2D-colloidal crystals produced directly using roll-to-roll processing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124389.	2.3	10
15	Modification of emission of CdTe nanocrystals by the local field of Langmuir-Blodgett colloidal photonic crystals. <i>Journal of Applied Physics</i> , 2008, 104, 103118.	1.1	9
16	Polarisation anisotropy in colloidal photonic crystals. , 2009, , .		1
17	Omnidirectional Broadband Scattering in Metal-Dielectric Colloidal Photonic Hetero-Crystals. , 2010, , .		1
18	Transmission spectrum transformation at photonic hetero-crystal interfaces & Polarization anisotropy. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Light transmission and scattering in engineered colloidal hetero-crystals. Proceedings of SPIE, 2008, ,	0.8	0
20	Tailored transmission in gold-coated colloidal photonic crystals. Proceedings of SPIE, 2010, ,	0.8	0
21	Colloidal Photonic Crystal Architectures for Advanced Light Management Applications. NATO Science for Peace and Security Series C: Environmental Security, 2015, , 119-149.	0.1	0