

# Nikolay Ovsyuk

## List of Publications by Year in descending order

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17  
papers

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citations

1684188

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h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of a glass matrix on acoustic phonons confined in microcrystals. <i>Physical Review B</i> , 1996, 53, 3113-3118.	3.2	64
2	A first principles lattice dynamics and Raman spectra of the ferroelastic rutile to $\text{CaCl}_2$ phase transition in $\text{SnO}_2$ at high pressure. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 926-933.	2.5	40
3	Low-frequency Raman scattering from Si/Ge nanocrystals in different matrixes caused by acoustic phonon quantization. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	17
4	In situ observation of amorphous-amorphous apparently first-order phase transition in zeolites. <i>Applied Physics Letters</i> , 2006, 89, 134103.	3.3	10
5	Amorphous-to-amorphous phase transition in zeolites. <i>JETP Letters</i> , 2006, 83, 109-112.	1.4	9
6	Raman Scattering in Lonsdaleite. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 127, 20-24.	0.9	5
7	Raman spectra of Si nanocrystals under high pressure: Metallization and solid state amorphization. <i>Applied Physics Letters</i> , 2020, 116, 062103.	3.3	5
8	Raman Scattering in Hexagonal Diamond. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 778-780.	0.6	4
9	Mechanism of the formation of a soft mode in ferroelastic phase transition. <i>JETP Letters</i> , 2001, 73, 408-410.	1.4	2
10	Slow amorphization of zeolites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 233-237.	0.6	2
11	Features of the formation of silicon nanocrystals upon the annealing of $\text{SiO}_2$ layers implanted with Si ions. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 601-604.	0.6	2
12	Polyamorphism in silicon nanocrystals under pressure. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016, 80, 1295-1297.	0.6	2
13	Preparation of perfect glasses from zeolites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008, 72, 1433-1435.	0.6	1
14	Studying Thin Ge films and Ge/ $\text{GeO}_2$ interfaces by means of raman-brillouin scattering. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 1397-1401.	0.6	1
15	Role of internal pressure in a ferroelastic phase transition. <i>Journal of Experimental and Theoretical Physics</i> , 2000, 91, 786-790.	0.9	0
16	Inelastic light scattering by acoustic phonons in quantum dots and quantum films. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 871-873.	0.6	0
17	Photoluminescence and Raman scattering of silicon nanopowders. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1087-1090.	0.6	0