

# Nikolay Ovsyuk

## List of Publications by Year in descending order

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17  
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13  
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all docs

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docs citations

17  
times ranked

248  
citing authors

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