

Egor Evlyukhin

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

291
citations

1039880

9
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Multipole analysis of light scattering by arbitrary-shaped nanoparticles on a plane surface. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2589.	0.9	133
2	Directly measuring the structural transition pathways of strain-engineered VO ₂ thin films. Nanoscale, 2020, 12, 18857-18863.	2.8	20
3	Laser-Assisted High-Pressure-Induced Polymerization of 2-(Hydroxyethyl)methacrylate. Journal of Physical Chemistry B, 2015, 119, 3577-3582.	1.2	15
4	High-pressure-assisted X-ray-induced damage as a new route for chemical and structural synthesis. Physical Chemistry Chemical Physics, 2018, 20, 18949-18956.	1.3	14
5	Structural Phase Transitions of NbO ₂ : Bulk versus Surface. Chemistry of Materials, 2021, 33, 1416-1425.	3.2	14
6	Role of V-V dimers on structural, electronic, magnetic, and vibrational properties of VO ₂ by first-principles simulations and Raman spectroscopic analysis. Physical Review B, 2021, 103, .	1.4	14
7	A New Route for High-Purity Organic Materials: High-Pressure-Ramp-Induced Ultrafast Polymerization of 2-(Hydroxyethyl)Methacrylate. Scientific Reports, 2016, 5, 18244.	1.6	13
8	Digital Tuning of the Transition Temperature of Epitaxial VO ₂ Thin Films on MgF ₂ Substrates by Strain Engineering. Advanced Materials Interfaces, 2021, 8, 2001790.	1.9	13
9	Synthesis of organic-inorganic hybrids via a high-pressure-ramp process: the effect of inorganic nanoparticle loading on structural and photochromic properties. Nanoscale, 2018, 10, 22293-22301.	2.8	11
10	Synthesis of a novel strontium-based wide-bandgap semiconductor via X-ray photochemistry under extreme conditions. Journal of Materials Chemistry C, 2018, 6, 12473-12478.	2.7	11
11	Measurement of the Energy and High-Pressure Dependence of X-ray-Induced Decomposition of Crystalline Strontium Oxalate. Journal of Physical Chemistry A, 2017, 121, 7108-7113.	1.1	10
12	X-ray induced synthesis of a novel material: Stable, doped solid CO at ambient conditions. Chemical Physics Letters, 2017, 686, 183-188.	1.2	9
13	High pressure behavior of mercury difluoride (HgF ₂). Chemical Physics Letters, 2019, 724, 35-41.	1.2	7
14	Cationic Dependence of X-ray Induced Damage in Strontium and Barium Nitrate. Journal of Physical Chemistry A, 2018, 122, 8722-8728.	1.1	6
15	Observation of second harmonic generation in doped polymeric carbon monoxide. Materials Letters, 2019, 256, 126629.	1.3	1