

Vladlen Melnikov

List of Publications by Year in descending order

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38
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40
docs citations

40
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen in single-crystalline anatase TiO ₂ . Journal of Applied Physics, 2022, 131, .	1.1	8
2	Interstitial H ₂ in Si ₂₉ . Physical Review B, 2021, 103, .	1.1	1
3	Hydrogen Donors in Anatase TiO ₂ . Physica Status Solidi (B): Basic Research, 2021, 258, 2100171.	0.7	4
4	SO ₄ * complex in CdTe: Infrared absorption spectroscopy and first-principles calculations. Physical Review B, 2021, 104, .	1.1	1
5	Dominant hydrogen complex in natural anatase TiO ₂ . Journal of Applied Physics, 2021, 130, 145701.	1.1	3
6	ExoMol line lists â€“ XL. Rovibrational molecular line list for the hydronium ion (H ₃ O ⁺). Monthly Notices of the Royal Astronomical Society, 2020, 497, 2340-2351.	1.6	8
7	Substitutional Sulfur in CdSe: Localized Vibrational Modes. Physica Status Solidi (B): Basic Research, 2020, 257, 2000204.	0.7	3
8	Structure and Phase Composition of a W-Ta-Mo-Nb-V-Cr-Zr-Ti Alloy Obtained by Ball Milling and Spark Plasma Sintering. Entropy, 2020, 22, 143.	1.1	11
9	Microstructure and Microhardness of a Multicomponent System After Mechanical Activation and Spark Plasma Sintering. Russian Physics Journal, 2020, 62, 1746-1748.	0.2	1
10	The Influence of Duration of Preliminary Mechanical Activation on Microhardness of Specimens of Ni ₃ Al Intermetallide Synthesized Under Conditions of Spark Plasma Sintering. Russian Physics Journal, 2019, 61, 1947-1949.	0.2	3
11	Influence of mechanical activation duration on morphology, microstructure and microhardness of 3Ni â€“ Al-system powder compound. IOP Conference Series: Materials Science and Engineering, 2019, 597, 012047.	0.3	0
12	Thermal stability of microstructure and microhardness of Ni ₃ Al samples with different duration of preliminary mechanical activation. AIP Conference Proceedings, 2019, , .	0.3	1
13	A Multi-Layer Composite Based on the 3Niâ€“Al System Produced by a Combined Deformation Treatment. Russian Physics Journal, 2019, 61, 1674-1680.	0.2	4
14	Two-dimensional $\langle \text{H} \rangle$ in Si: Raman scattering and modeling study. Physical Review B, 2018, 97, .	1.1	2
15	On the Mechanism of Ortho-Para Conversion of Molecular Hydrogen in Semiconductors. Russian Physics Journal, 2017, 59, 2168-2170.	0.2	3
16	The Influence of Duration of Mechanical Activation of Titanium Powder on its Morphology, Microstructure, and Microhardness. Russian Physics Journal, 2017, 60, 1033-1039.	0.2	0
17	A study of the morphology, microstructure, and microhardness of titanium powder depending on the mechanical activation time. AIP Conference Proceedings, 2017, , .	0.3	0
18	Radiative cooling of H ₃ O ⁺ and its deuterated isotopologues. Physical Chemistry Chemical Physics, 2016, 18, 26268-26274.	1.3	6

#	ARTICLE	IF	CITATIONS
37	Valley ridge inflection points on the potential energy surfaces of H ₂ S, H ₂ Se and H ₂ CO. Physical Chemistry Chemical Physics, 2001, 3, 2735-2741.	1.3	25
38	SO ₄ in Cadmium Chalcogenides: CdSe versus CdTe. Physica Status Solidi (B): Basic Research, 0, , 2200029.	0.7	0