Reinis Ignatans

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2812205/publications.pdf

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21	291	933447	888059
papers	citations	10 h-index	17 g-index

21	21	21	423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structured nanoscale metallic glass fibres with extreme aspect ratios. Nature Nanotechnology, 2020, 15, 875-882.	31.5	59
2	Induced giant piezoelectricity in centrosymmetric oxides. Science, 2022, 375, 653-657.	12.6	59
3	Doped zirconia phase and luminescence dependence on the nature of charge compensation. Scientific Reports, 2017, 7, 44453.	3.3	32
4	Yttrium-doped hematite photoanodes for solar water splitting: Photoelectrochemical and electronic properties. Ceramics International, 2018, 44, 13218-13225.	4.8	19
5	Local structural investigation of hafnia-zirconia polymorphs in powders and thin films by X-ray absorption spectroscopy. Acta Materialia, 2019, 180, 158-169.	7.9	19
6	The Effect of Surface Reconstruction on the Oxygen Reduction Reaction Properties of LaMnO₃. Journal of Physical Chemistry C, 2019, 123, 11621-11627.	3.1	19
7	Luminescence properties of zirconia nanocrystals prepared by solar physical vapor deposition. Optical Materials, 2014, 37, 251-256.	3.6	14
8	Challenges and Applications to Operando and In Situ TEM Imaging and Spectroscopic Capabilities in a Cryogenic Temperature Range. Accounts of Chemical Research, 2021, 54, 3125-3135.	15.6	13
9	Phase transitions and upconversion luminescence in oxyfluoride glass ceramics containing Ba4Gd3F17 nanocrystals. Journal of the European Ceramic Society, 2017, 37, 1713-1722.	5.7	12
10	Individual Barkhausen Pulses of Ferroelastic Nanodomains. Physical Review Letters, 2021, 127, 167601.	7.8	12
11	Local hard and soft pinning of 180Â° domain walls in BaTiO3 probed by in situ transmission electron microscopy. Physical Review Materials, 2020, 4, .	2.4	11
12	Latent Mechanisms of Polarization Switching from In Situ Electron Microscopy Observations. Advanced Functional Materials, 2022, 32, .	14.9	7
13	Permanent photodoping of plasmonic gallium-ZnO nanocrystals. Nanoscale, 2020, 12, 6624-6629.	5.6	6
14	Magnetic and optical properties in degenerated transition metal and Ga co-substituted ZnO nanocrystals. Journal of Alloys and Compounds, 2019, 805, 1191-1199.	5.5	4
15	Photoluminescence in Er-doped 0.4Na_{1/2}Bi_{1/2}TiO₃-(0.6-x)SrTiO₃-xPbTiO₃ solid solutions. Ferroelectrics, 2020, 567, 150-159.	0.4	2
16	Characterization of Crystalline Structure and Morphology of Ga₂O₃ Thin Film Grown by MOCVD Technique. Key Engineering Materials, 2016, 721, 253-257.	0.4	1
17	Studies of Reversible Hydrogen Binding in Nano- Sized Materials. Material Science & Applied Chemistry, 0, 31, 21.	0.1	1
18	Novel approach in analyzing phase transitions in Na0.5Bi0.5TiO3â€"Comparison with 0.95Na0.5Bi0.5TiO3â€“0.05CaTiO3. Journal of Applied Physics, 2022, 131, .	2.5	1

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19	Switchable Light Reflectance in Dilute Magneto-Optical Colloids Based on Nickel Ferrite Nanowires. E-Journal of Surface Science and Nanotechnology, 2018, 16, 119-121.	0.4	0
20	Stronger Reductive Environment in Solvothermal Synthesis Leads to Improved Ga Doping Efficiency in ZnO Nanocrystals and Enhanced Plasmonic Absorption. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900335.	1.8	0
21	Operando and in situ in a TEM imaging in a cryogenic temperature range. Microscopy and Microanalysis, 2021, 27, 386-387.	0.4	0