

# Reinis Ignatans

## List of Publications by Year in descending order

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21  
papers

291  
citations

933447

10  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induced giant piezoelectricity in centrosymmetric oxides. <i>Science</i> , 2022, 375, 653-657.	12.6	59
2	Latent Mechanisms of Polarization Switching from In Situ Electron Microscopy Observations. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	7
3	Novel approach in analyzing phase transitions in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Comparison with 0.95Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> 0.05CaTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	1
4	Operando and in situ in a TEM imaging in a cryogenic temperature range. <i>Microscopy and Microanalysis</i> , 2021, 27, 386-387.	0.4	0
5	Challenges and Applications to <i>Operando</i> and <i>In Situ</i> TEM Imaging and Spectroscopic Capabilities in a Cryogenic Temperature Range. <i>Accounts of Chemical Research</i> , 2021, 54, 3125-3135.	15.6	13
6	Individual Barkhausen Pulses of Ferroelastic Nanodomains. <i>Physical Review Letters</i> , 2021, 127, 167601.	7.8	12
7	Photoluminescence in Er-doped 0.4Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -(0.6-x)SrTiO <sub>3</sub> -xPbTiO <sub>3</sub> solid solutions. <i>Ferroelectrics</i> , 2020, 567, 150-159.		2
8	Structured nanoscale metallic glass fibres with extreme aspect ratios. <i>Nature Nanotechnology</i> , 2020, 15, 875-882.	31.5	59
9	Permanent photodoping of plasmonic gallium-ZnO nanocrystals. <i>Nanoscale</i> , 2020, 12, 6624-6629.	5.6	6
10	Local hard and soft pinning of 180° domain walls in BaTiO <sub>3</sub> probed by in situ transmission electron microscopy. <i>Physical Review Materials</i> , 2020, 4, .	2.4	11
11	Magnetic and optical properties in degenerated transition metal and Ga co-substituted ZnO nanocrystals. <i>Journal of Alloys and Compounds</i> , 2019, 805, 1191-1199.	5.5	4
12	Stronger Reductive Environment in Solvothermal Synthesis Leads to Improved Ga Doping Efficiency in ZnO Nanocrystals and Enhanced Plasmonic Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900335.	1.8	0
13	Local structural investigation of hafnia-zirconia polymorphs in powders and thin films by X-ray absorption spectroscopy. <i>Acta Materialia</i> , 2019, 180, 158-169.	7.9	19
14	The Effect of Surface Reconstruction on the Oxygen Reduction Reaction Properties of LaMnO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2019, 123, 11621-11627.	3.1	19
15	Yttrium-doped hematite photoanodes for solar water splitting: Photoelectrochemical and electronic properties. <i>Ceramics International</i> , 2018, 44, 13218-13225.	4.8	19
16	Switchable Light Reflectance in Dilute Magneto-Optical Colloids Based on Nickel Ferrite Nanowires. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018, 16, 119-121.	0.4	0
17	Doped zirconia phase and luminescence dependence on the nature of charge compensation. <i>Scientific Reports</i> , 2017, 7, 44453.	3.3	32
18	Phase transitions and upconversion luminescence in oxyfluoride glass ceramics containing Ba <sub>4</sub> Gd <sub>3</sub> F <sub>17</sub> nanocrystals. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1713-1722.	5.7	12

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19	Characterization of Crystalline Structure and Morphology of Ga <sub>2</sub> O <sub>3</sub> Thin Film Grown by MOCVD Technique. Key Engineering Materials, 2016, 721, 253-257.	0.4	1
20	Luminescence properties of zirconia nanocrystals prepared by solar physical vapor deposition. Optical Materials, 2014, 37, 251-256.	3.6	14
21	Studies of Reversible Hydrogen Binding in Nano- Sized Materials. Material Science & Applied Chemistry, 0, 31, 21.	0.1	1