

Antoine Barbier

List of Publications by Year in descending order

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29
papers

886
citations

758635

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h-index

580395

25
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30
all docs

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docs citations

30
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistive Switching and Redox Process at the BaTiO ₃ /(La,Sr)MnO ₃ Multiferroicâ€”Type Interface. <i>Advanced Electronic Materials</i> , 2021, 7, .	2.6	11
2	Unraveling the Surface Reactivity of Pristine and Ti-Doped Hematite with Water. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11520-11527.	2.1	5
3	Mn _{0.7} Fe _{2.3} O ₄ Nanoplatelets Embedded in BaTiO ₃ Perovskite Thin Films for Multifunctional Composite Barriers. <i>ACS Applied Nano Materials</i> , 2020, 3, 327-341.	2.4	3
4	Electrostriction, Electroresistance, and Electromigration in Epitaxial BaTiO ₃ -Based Heterostructures: Role of Interfaces and Electric Poling. <i>ACS Applied Nano Materials</i> , 2019, 2, 3556-3569.	2.4	4
5	Fast X-ray reflectivity measurements using an X-ray pixel area detector at the DiffAbs beamline, Synchrotron SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 204-213.	1.0	8
6	Single and heterostructure multiferroic thin films. , 2018, , 487-514.		0
7	Cross-Correlation between Strain, Ferroelectricity, and Ferromagnetism in Epitaxial Multiferroic CoFe ₂ O ₄ /BaTiO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28003-28014.	4.0	22
8	Finite size effect on the structural and magnetic properties of MnAs/GaAs(001) patterned microstructures thin films. <i>Scientific Reports</i> , 2017, 7, 16970.	1.6	3
9	Resonant PhotoEmission Spectroscopy Investigation of Fe ₂ O ₃ â€” TiO ₂ Heterojunctions for Solar Water Splitting. <i>Physics Procedia</i> , 2016, 85, 4-11.	1.2	2
10	Oxygen Vacancies Engineering of Iron Oxides Films for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7482-7490.	1.5	100
11	Manipulating the ferroelectric polarization state of BaTiO ₃ thin films. <i>Thin Solid Films</i> , 2016, 607, 7-13.	0.8	12
12	Atomic and electronic structure of trilayer graphene/SiC(0001): Evidence of Strong Dependence on Stacking Sequence and charge transfer. <i>Scientific Reports</i> , 2016, 6, 33487.	1.6	16
13	Selected Synchrotron Radiation Techniques. , 2016, , 3553-3576.		0
14	Local electronic structure and photoelectrochemical activity of partial chemically etched Ti-doped hematite. <i>Surface Science</i> , 2015, 641, 310-313.	0.8	16
15	Selected Synchrotron Radiation Techniques. , 2015, , 1-24.		0
16	Tunnel-mediated coupling between antiferromagnetic thin films. <i>Physical Review B</i> , 2014, 90, .	1.1	7
17	Single Crystalline Hematite Films for Solar Water Splitting: Ti-Doping and Thickness Effects. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3007-3014.	1.5	95
18	Fast pole figure acquisition using area detectors at the DiffAbs beamline â€” Synchrotron SOLEIL. Erratum. <i>Journal of Applied Crystallography</i> , 2014, 47, 482-482.	1.9	7

#	ARTICLE	IF	CITATIONS
19	Two-dimensional resonant magnetic soft X-ray scattering set-up for extreme sample environment. Journal of Synchrotron Radiation, 2013, 20, 181-189.	1.0	1
20	Fast pole figure acquisition using area detectors at the DiffAbs beamline at Synchrotron SOLEIL. Journal of Applied Crystallography, 2013, 46, 1842-1853.	1.9	47
21	X-ray diffraction imaging of metal-oxide epitaxial tunnel junctions made by optical lithography: use of focused and unfocused X-ray beams. Journal of Synchrotron Radiation, 2013, 20, 355-365.	1.0	4
22	Selected Synchrotron Radiation Techniques. , 2012, , 2322-2344.		1
23	Origin and Tailoring of the Antiferromagnetic Domain Structure in Fe_2O_3 Thin Films Unraveled by Statistical Analysis of Dichroic Spectromicroscopy (X-Ray Photoemission Electron) Tj FTQq1 1 0.784314 rgBT /Overlock 10	2.9	12
24	Dislocation network driven structural relaxation in hematite thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 144, 19-22.	1.7	20
25	Stability of Rocksalt (111) Polar Surfaces: Beyond the Octopole. Physical Review Letters, 2004, 92, 136101.	2.9	88
26	Surface and Bulk Spin Ordering of Antiferromagnetic Materials: NiO(111). Physical Review Letters, 2004, 93, 257208.	2.9	31
27	Real-Time Monitoring of Growing Nanoparticles. Science, 2003, 300, 1416-1419.	6.0	347
28	Generalized model for interface description. Surface Science, 1998, 406, 69-89.	0.8	20
29	Properties of self-oxidized single crystalline perovskite N:BaTiO ₃ oxynitrides epitaxial thin films. Materials Advances, 0, , .	2.6	0