

# Adrien Perrichon

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12  
papers

117  
citations

6  
h-index

10  
g-index

14  
ext. papers

154  
ext. citations

4.2  
avg, IF

2.42  
L-index

#	Paper	IF	Citations
12	Lattice Dynamics Modified by Excess Oxygen in Nd <sub>2</sub> NiO <sub>4</sub> —Triggering Low-Temperature Oxygen Diffusion. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1557-1564	3.8	31
11	Solid-state reactivity explored in situ by synchrotron radiation on single crystals: from SrFeO <sub>2.5</sub> to SrFeO <sub>3</sub> via electrochemical oxygen intercalation. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 504004	3	22
10	Unraveling the Ground-State Structure of BaZrO <sub>3</sub> by Neutron Scattering Experiments and First-Principles Calculations. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2824-2835	9.6	17
9	Local structure and vibrational dynamics in indium-doped barium zirconate. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7360-7372	13	16
8	Positional recurrence maps, a powerful tool to de-correlate static and dynamical disorder in distribution maps from molecular dynamics simulations: the case of Nd <sub>2</sub> NiO <sub>4</sub> +d. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 17398-403	3.6	10
7	Local structure and vibrational dynamics of proton conducting Ba <sub>2</sub> In <sub>2</sub> O <sub>5</sub> (H <sub>2</sub> O) <sub>x</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17626-17636	13	8
6	Local Coordination of Protons in In- and Sc-Doped BaZrO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 26065-26072	3.8	5
5	Resonant enhancement of grazing incidence neutron scattering for the characterization of thin films. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
4	Ionic Conductors and Protonics. <i>Experimental Methods in the Physical Sciences</i> , <b>2017</b> , 49, 547-581	0.4	2
3	A silicon analyser for the OSIRIS spectrometer: An analytical and Monte Carlo simulation study. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 947, 162740	1.2	1
2	Neutron Ray-Tracing Simulations of a New Supermirror Guide for the Osiris Spectrometer. <i>Journal of Surface Investigation</i> , <b>2020</b> , 14, S169-S174	0.5	1
1	Local Coordination Environments and Vibrational Dynamics of Protons in Hexagonal and Cubic Sc-Doped BaTiO <sub>3</sub> Proton-Conducting Oxides. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8643-8651	3.8	1