

Giuliano Gregori

List of Publications by Year in descending order

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41
papers

3,586
citations

304368

22
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301761

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all docs

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docs citations

43
times ranked

5943
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Organic-Cation Perovskite Photovoltaics for Enhanced Solar Light Harvesting. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3151-3157.	7.2	1,117
2	The Significance of Ion Conduction in a Hybrid Organic-Inorganic Lead-Iodide-Based Perovskite Photosensitizer. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7905-7910.	7.2	447
3	Large tunable photoeffect on ion conduction in halide perovskites and implications for photodecomposition. <i>Nature Materials</i> , 2018, 17, 445-449.	13.3	410
4	The Nature of Ion Conduction in Methylammonium Lead Iodide: A Multimethod Approach. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7755-7759.	7.2	213
5	The Significance of Ion Conduction in a Hybrid Organic-Inorganic Lead-Iodide-Based Perovskite Photosensitizer. <i>Angewandte Chemie</i> , 2015, 127, 8016-8021.	1.6	143
6	Ion conduction and redistribution at grain boundaries in oxide systems. <i>Progress in Materials Science</i> , 2017, 89, 252-305.	16.0	143
7	On the proton conductivity in pure and gadolinium doped nanocrystalline cerium oxide. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 937-940.	1.3	85
8	Proton Conduction in Dense and Porous Nanocrystalline Ceria Thin Films. <i>Advanced Functional Materials</i> , 2013, 23, 5861-5867.	7.8	79
9	Boundary effects on the electrical conductivity of pure and doped cerium oxide thin films. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14351.	1.3	78
10	Mesoscopic Charge Carriers Chemistry in Nanocrystalline SrTiO ₃ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10123-10126.	7.2	61
11	Structure and Oxide Ion Conductivity: Local Order, Defect Interactions and Grain Boundary Effects in Acceptor-Doped Ceria. <i>Chemistry of Materials</i> , 2014, 26, 5994-6006.	3.2	60
12	High-temperature vibration damping of thermal barrier coating materials. <i>Surface and Coatings Technology</i> , 2007, 202, 693-697.	2.2	49
13	Cerium reduction at the interface between ceria and yttria-stabilised zirconia and implications for interfacial oxygen non-stoichiometry. <i>APL Materials</i> , 2014, 2, .	2.2	46
14	Unique high-temperature performance of highly condensed MnBi permanent magnets. <i>Scripta Materialia</i> , 2015, 107, 131-135.	2.6	42
15	Hill climbing hysteresis of perovskite-based solar cells: a maximum power point tracking investigation. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 942-950.	4.4	40
16	Charge carrier chemistry in methylammonium lead iodide. <i>Solid State Ionics</i> , 2018, 321, 69-74.	1.3	37
17	Vibration damping of superalloys and thermal barrier coatings at high-temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 256-264.	2.6	29
18	Electronically blocking grain boundaries in donor doped cerium dioxide. <i>Solid State Ionics</i> , 2012, 215, 45-51.	1.3	29

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19	Numerical calculations of space charge layer effects in nanocrystalline ceria. Part I: comparison with the analytical models and derivation of improved analytical solutions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10214-10231.	1.3	28
20	Dopant size effects on novel functionalities: High-temperature interfacial superconductivity. <i>Scientific Reports</i> , 2017, 7, 453.	1.6	28
21	Mixed conductivity in nanocrystalline highly acceptor doped cerium oxide thin films under oxidizing conditions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10940.	1.3	26
22	On the synthesis and microstructure analysis of high performance MnBi. <i>AIP Advances</i> , 2016, 6, .	0.6	24
23	Electric conduction properties of boron-doped ceria. <i>Solid State Ionics</i> , 2011, 192, 65-69.	1.3	21
24	Effects of Grain Boundary Decoration on the Electrical Conduction of Nanocrystalline CeO ₂ . <i>Journal of the Electrochemical Society</i> , 2012, 159, B417-B425.	1.3	21
25	Cationic Redistribution at Epitaxial Interfaces in Superconducting Two-Dimensionally Doped Lanthanum Cuprate Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27368-27375.	4.0	19
26	Temperature-dependent first-order reversal curve measurements on unusually hard magnetic low-temperature phase of MnBi. <i>Physical Review B</i> , 2017, 95, .	1.1	19
27	An alternative composite approach to tailor the thermoelectric performance in SiAlON and SiC. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3367-3373.	2.8	19
28	The Nature of Ion Conduction in Methylammonium Lead Iodide: A Multimethod Approach. <i>Angewandte Chemie</i> , 2017, 129, 7863-7867.	1.6	18
29	Grain boundary blocking effects in Sm/Yb-doped AlN ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4870-4875.	2.8	18
30	Atomic-Scale Quantitative Analysis of Lattice Distortions at Interfaces of Two-Dimensionally Sr-Doped La ₂ CuO ₄ Superlattices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6763-6769.	4.0	16
31	Numerical calculations of space charge layer effects in nanocrystalline ceria. Part II: detailed analysis of the space charge layer properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10175-10186.	1.3	15
32	High-Temperature Thermoelectricity in LaNiO ₃ ∕La ₂ CuO ₄ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22786-22792.	4.0	12
33	Interface Effects on the Ion Transport of Epitaxial Y ₂ Zr ₂ O ₇ Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27257-27265.	4.0	11
34	Colloidal Nanocrystal Films Reveal the Mechanism for Intermediate Temperature Proton Conductivity in Porous Ceramics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13624-13635.	1.5	10
35	Magnetic and microstructural properties of anisotropic MnBi magnets compacted by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154605.	2.8	10
36	Ionic Conductivity of Organic∕Inorganic Perovskites: Relevance for Long-Time and Low Frequency Behavior. , 2016, , 107-135.		5

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37	X-ray Absorption under Operating Conditions for Solid-Oxide Fuel Cells Electrocatalysts: The Case of LSCF/YSZ. <i>Surfaces</i> , 2019, 2, 32-40.	1.0	3
38	Room Temperature Polarization Phenomena in Nanocrystalline and Epitaxial Thin Films of Gd-Doped Ceria Studied by Kelvin Probe Force Microscopy. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, P362-P368.	0.9	2
39	Epitaxial 8YSZ/Y2Zr2O7 multilayers: a conductivity and strain study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19995-20003.	1.3	2
40	Influence of Substrate Temperature and Dopant Distribution at Two-Dimensionally Doped Superconducting La2CuO4 Interfaces. <i>Microscopy and Microanalysis</i> , 2017, 23, 1570-1571.	0.2	0
41	Atomic-scale Considerations on LaNiO3-La2CuO4 Heterostructures: Interface-thermoelectricity Relationship. <i>Microscopy and Microanalysis</i> , 2020, 26, 2626-2627.	0.2	0