Giuliano Gregori

List of Publications by Year
in descending order

41 papers	3,586 citations	304743 22 h-index	302126 39 g-index
43 all docs	43 docs citations	43 times ranked	5943 citing authors

#	Article	IF	Citations
1	Grain boundary blocking effects in Sm/Yb-doped AlN ceramics. Journal of the European Ceramic Society, 2021, 41, 4870-4875.	5.7	18
2	Atomic-scale Considerations on LaNiO3-La2CuO4 Heterostructures: Interfaceâ€"thermoelectricity Relationship. Microscopy and Microanalysis, 2020, 26, 2626-2627.	0.4	0
3	Magnetic and microstructural properties of anisotropic MnBi magnets compacted by spark plasma sintering. Journal of Alloys and Compounds, 2020, 830, 154605.	5.5	10
4	X-ray Absorption under Operating Conditions for Solid-Oxide Fuel Cells Electrocatalysts: The Case of LSCF/YSZ. Surfaces, 2019, 2, 32-40.	2.3	3
5	Colloidal Nanocrystal Films Reveal the Mechanism for Intermediate Temperature Proton Conductivity in Porous Ceramics. Journal of Physical Chemistry C, 2018, 122, 13624-13635.	3.1	10
6	Charge carrier chemistry in methylammonium lead iodide. Solid State Ionics, 2018, 321, 69-74.	2.7	37
7	Large tunable photoeffect on ion conduction in halide perovskites and implications for photodecomposition. Nature Materials, 2018, 17, 445-449.	27.5	410
8	High-Temperature Thermoelectricity in LaNiO₃â€"La₂CuO₄ Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 22786-22792.	8.0	12
9	Room Temperature Polarization Phenomena in Nanocrystalline and Epitaxial Thin Films of Gd-Doped Ceria Studied by Kelvin Probe Force Microscopy. ECS Journal of Solid State Science and Technology, 2018, 7, P362-P368.	1.8	2
10	Epitaxial 8YSZ/Y2Zr2O7 multilayers: a conductivity and strain study. Physical Chemistry Chemical Physics, 2018, 20, 19995-20003.	2.8	2
11	Temperature-dependent first-order reversal curve measurements on unusually hard magnetic low-temperature phase of MnBi. Physical Review B, 2017, 95, .	3.2	19
12	An alternative composite approach to tailor the thermoelectric performance in SiAlON and SiC. Journal of the European Ceramic Society, 2017, 37, 3367-3373.	5.7	19
13	Ion conduction and redistribution at grain boundaries in oxide systems. Progress in Materials Science, 2017, 89, 252-305.	32.8	143
14	Hill climbing hysteresis of perovskiteâ€based solar cells: a maximum power point tracking investigation. Progress in Photovoltaics: Research and Applications, 2017, 25, 942-950.	8.1	40
15	The Nature of Ion Conduction in Methylammonium Lead Iodide: A Multimethod Approach. Angewandte Chemie, 2017, 129, 7863-7867.	2.0	18
16	The Nature of Ion Conduction in Methylammonium Lead Iodide: A Multimethod Approach. Angewandte Chemie - International Edition, 2017, 56, 7755-7759.	13.8	213
17	Influence of Substrate Temperature and Dopant Distribution at Two-Dimensionally Doped Superconducting La2CuO4 Interfaces. Microscopy and Microanalysis, 2017, 23, 1570-1571.	0.4	0
18	Interface Effects on the Ion Transport of Epitaxial Y₂Zr₂O₇ Films. ACS Applied Materials & Interfaces, 2017, 9, 27257-27265.	8.0	11

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19	Dopant size effects on novel functionalities: High-temperature interfacial superconductivity. Scientific Reports, 2017, 7, 453.	3.3	28
20	On the synthesis and microstructure analysis of high performance MnBi. AIP Advances, 2016, 6, .	1.3	24
21	Atomic-Scale Quantitative Analysis of Lattice Distortions at Interfaces of Two-Dimensionally Sr-Doped La₂CuO₄ Superlattices. ACS Applied Materials & Interfaces, 2016, 8, 6763-6769.	8.0	16
22	Ionic Conductivity of Organicâ€“Inorganic Perovskites: Relevance for Long-Time and Low Frequency Behavior. , 2016, , 107-135.		5
23	Cationic Redistribution at Epitaxial Interfaces in Superconducting Two-Dimensionally Doped Lanthanum Cuprate Films. ACS Applied Materials & Interfaces, 2016, 8, 27368-27375.	8.0	19
24	The Significance of Ion Conduction in a Hybrid Organicâ€“Inorganic Leadâ€Iodideâ€Based Perovskite Photosensitizer. Angewandte Chemie, 2015, 127, 8016-8021.	2.0	143
25	Unique high-temperature performance of highly condensed MnBi permanent magnets. Scripta Materialia, 2015, 107, 131-135.	5.2	42
26	The Significance of Ion Conduction in a Hybrid Organicâ€“Inorganic Leadâ€Iodideâ€Based Perovskite Photosensitizer. Angewandte Chemie - International Edition, 2015, 54, 7905-7910.	13.8	447
27	Structure and Oxide Ion Conductivity: Local Order, Defect Interactions and Grain Boundary Effects in Acceptor-Doped Ceria. Chemistry of Materials, 2014, 26, 5994-6006.	6.7	60
28	Cerium reduction at the interface between ceria and yttria-stabilised zirconia and implications for interfacial oxygen non-stoichiometry. APL Materials, 2014, 2, .	5.1	46
29	Numerical calculations of space charge layer effects in nanocrystalline ceria. Part I: comparison with the analytical models and derivation of improved analytical solutions. Physical Chemistry Chemical Physics, 2014, 16, 10214-10231.	2.8	28
30	Numerical calculations of space charge layer effects in nanocrystalline ceria. Part II: detailed analysis of the space charge layer properties. Physical Chemistry Chemical Physics, 2014, 16, 10175-10186.	2.8	15
31	Mixedâ€Organicâ€Cation Perovskite Photovoltaics for Enhanced Solarâ€Light Harvesting. Angewandte Chemie - International Edition, 2014, 53, 3151-3157.	13.8	1,117
32	Proton Conduction in Dense and Porous Nanocrystalline Ceria Thin Films. Advanced Functional Materials, 2013, 23, 5861-5867.	14.9	79
33	Effects of Grain Boundary Decoration on the Electrical Conduction of Nanocrystalline CeO₂. Journal of the Electrochemical Society, 2012, 159, B417-B425.	2.9	21
34	Electronically blocking grain boundaries in donor doped cerium dioxide. Solid State Ionics, 2012, 215, 45-51.	2.7	29
35	On the proton conductivity in pure and gadolinium doped nanocrystalline cerium oxide. Physical Chemistry Chemical Physics, 2011, 13, 937-940.	2.8	85
36	Mixed conductivity in nanocrystalline highly acceptor doped cerium oxide thin films under oxidizing conditions. Physical Chemistry Chemical Physics, 2011, 13, 10940.	2.8	26

#	Article	IF	Citations
37	Electric conduction properties of boron-doped ceria. Solid State Ionics, 2011, 192, 65-69.	2.7	21
38	Mesoscopic Charge Carriers Chemistry in Nanocrystalline SrTiO₃. Angewandte Chemie - International Edition, 2010, 49, 10123-10126.	13.8	61
39	Boundary effects on the electrical conductivity of pure and doped cerium oxide thin films. Physical Chemistry Chemical Physics, 2010, 12, 14351.	2.8	78
40	High-temperature vibration damping of thermal barrier coating materials. Surface and Coatings Technology, 2007, 202, 693-697.	4.8	49
41	Vibration damping of superalloys and thermal barrier coatings at high-temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 466, 256-264.	5.6	29