

Chiara Ferrara

List of Publications by Year in descending order

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38
papers

1,142
citations

394421

19
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovative high performing metal organic framework (MOF)-laden nanocomposite polymer electrolytes for all-solid-state lithium batteries. Journal of Materials Chemistry A, 2014, 2, 9948-9954.	10.3	183
2	Physicochemical Characterization of AlCl ₃ •1-Ethyl-3-methylimidazolium Chloride Ionic Liquid Electrolytes for Aluminum Rechargeable Batteries. Journal of Physical Chemistry C, 2017, 121, 26607-26614.	3.1	99
3	Structural and in vitro study of cerium, gallium and zinc containing sol-gel bioactive glasses. Journal of Materials Chemistry, 2012, 22, 13698.	6.7	71
4	Wide band-gap tuning in Sn-based hybrid perovskites through cation replacement: the FA _{1-x} MA _x SnBr ₃ mixed system. Journal of Materials Chemistry A, 2017, 5, 9391-9395.	10.3	65
5	Aqueous Processing of Na _{0.44} MnO ₂ Cathode Material for the Development of Greener Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 34891-34899.	8.0	60
6	Vacancy and interstitial oxide ion migration in heavily doped La _{2-x} Sr _x CoO ₄ . Journal of Materials Chemistry, 2012, 22, 8969.	6.7	51
7	Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. Journal of Pharmaceutical Sciences, 2013, 102, 4079-4086.	3.3	50
8	Structure and magnetic properties of SiO ₂ /PCL novel sol-gel organic-inorganic hybrid materials. Journal of Solid State Chemistry, 2013, 203, 92-99.	2.9	44
9	Exploiting Self-Healing in Lithium Batteries: Strategies for Next-Generation Energy Storage Devices. Advanced Energy Materials, 2020, 10, 2002815.	19.5	38
10	2LiBH ₄ •MgH ₂ •0.13TiCl ₄ confined in nanoporous structure of carbon aerogel scaffold for reversible hydrogen storage. Journal of Alloys and Compounds, 2014, 599, 78-86.	5.5	36
11	SBA-15 mesoporous silica highly functionalized with propylsulfonic pendants: A thorough physico-chemical characterization. Microporous and Mesoporous Materials, 2016, 219, 219-229.	4.4	35
12	High-temperature neutron diffraction study of $La_{2-2x}Mn_{2x}O_{7-x}$ Correlation between structure and transport pr. Physical Review B, 2010, 82, .	3.2	29
13	Polymorphism and magnetic properties of Li ₂ MSiO ₄ (M = Fe, Mn) cathode materials. Scientific Reports, 2013, 3, 3452.	3.3	29
14	The FA _{1-x} MA _x PbI ₃ System: Correlations among Stoichiometry Control, Crystal Structure, Optical Properties, and Phase Stability. Journal of Physical Chemistry C, 2017, 121, 8746-8751.	3.1	27
15	Waste Face Surgical Mask Transformation into Crude Oil and Nanostructured Electrocatalysts for Fuel Cells and Electrolyzers. ChemSusChem, 2022, 15, .	6.8	26
16	Interstitial oxide ion migration in scheelite-type electrolytes: a combined neutron diffraction and computational study. Journal of Materials Chemistry A, 2015, 3, 22258-22265.	10.3	24
17	Mechanism of Low-Temperature Protonic Conductivity in Bulk, High-Density, Nanometric Titanium Oxide. Advanced Functional Materials, 2014, 24, 5137-5146.	14.9	23
18	ZrO ₂ /PEG hybrid nanocomposites synthesized via sol-gel: Characterization and evaluation of the magnetic properties. Journal of Non-Crystalline Solids, 2015, 413, 1-7.	3.1	22

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19	Local versus Average Structure in $\text{LaSrAl}_3\text{O}_7$: A NMR and DFT Investigation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23451-23458.	3.1	20
20	Mechanochemical Synthesis of Bumetanide-4-Aminobenzoic Acid Molecular Cocrystals: A Facile and Green Approach to Drug Optimization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9180-9190.	2.6	20
21	Valorization of the inedible pistachio shells into nanoscale transition metal and nitrogen codoped carbon-based electrocatalysts for hydrogen evolution reaction and oxygen reduction reaction. <i>Materials for Renewable and Sustainable Energy</i> , 2022, 11, 131-141.	3.6	20
22	Average versus local structure in K_2NiF_4 -type LaSrAlO_4 : direct experimental evidence of local cationic ordering. <i>Journal of Materials Chemistry</i> , 2012, 22, 10488.	6.7	18
23	Oxygen transport and chemical compatibility with electrode materials in scheelite-type $\text{LaW}_x\text{Nb}_{1-x}\text{O}_{4+x/2}$ ceramic electrolyte. <i>Journal of Alloys and Compounds</i> , 2017, 697, 392-400.	5.5	18
24	Solid-state NMR characterization of the structure and thermal stability of hybrid organic-inorganic compounds based on a HLaNb_2O_7 Dion-Jacobson layered perovskite. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21903-21912.	2.8	17
25	Circular Economy and the Fate of Lithium Batteries: Second Life and Recycling. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100047.	5.8	16
26	Structure and Interactions in Polybenzimidazole Composite Membranes for High-Temperature Polymer Fuel Cells: A Full Multinuclear Solid-State NMR Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18935-18944.	3.1	13
27	Multicomponent crystals of gliclazide and tromethamine: preparation, physico-chemical, and pharmaceutical characterization. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 243-250.	2.0	13
28	Probenecid and benzamide: cocrystal prepared by a green method and its physico-chemical and pharmaceutical characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1859-1869.	3.6	13
29	Melilite $\text{LaSrGa}_3\text{Al}_x\text{O}_7$ Series: A Combined Solid-State NMR and Neutron Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15036-15043.	3.1	10
30	An Experimental and Theoretical Investigation of Loperamide Hydrochloride-Glutaric Acid Cocrystals. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8113-8121.	2.6	9
31	Lattice strain effects on doping, hydration and proton transport in scheelite-type electrolytes for solid oxide fuel cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29330-29336.	2.8	9
32	FeTiO_3 as Anode Material for Sodium-Ion Batteries: from Morphology Control to Decomposition. <i>ChemElectroChem</i> , 2020, 7, 1713-1722.	3.4	9
33	Correlating Structure and Properties of Super-Concentrated Electrolyte Solutions: ^{17}O NMR and Electrochemical Characterization. <i>ChemElectroChem</i> , 2019, 6, 4002-4009.	3.4	7
34	Defect-assisted photocatalytic activity of glass-embedded gallium oxide nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2830-2838.	9.4	6
35	Glucose-assisted synthesis and wet-chemistry preparation of pyrophosphate cathodes for rechargeable Na-ion batteries. <i>RSC Advances</i> , 2016, 6, 99735-99742.	3.6	5
36	Polymorphism in $\text{Na}_2(\text{Co/Zn})\text{P}_2\text{O}_7$ and $\text{Na}_2(\text{Co/Fe})\text{P}_2\text{O}_7$ Pyrophosphates: A Combined Diffraction and ^{31}P NMR Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 701-708.	3.1	4

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37	Zaltoprofen/4,4'-Bipyridine: A Case Study to Demonstrate the Potential of Differential Scanning Calorimetry (DSC) in the Pharmaceutical Field. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3690-3701.	3.3	3
38	The Importance of Interphases in Energy Storage Devices: Methods and Strategies to Investigate and Control Interfacial Processes. <i>Physchem</i> , 2021, 1, 26-44.	1.1	0