Chiara Ferrara

List of Publications by Year
in descending order

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	Defect-assisted photocatalytic activity of glass-embedded gallium oxide nanocrystals. Journal of Colloid and Interface Science, 2022, 608, 2830-2838.	9.4	6
2	Polymorphism in Na₂(Co/Zn)P₂O₇ and Na₂(Co/Fe)P₂O₇ Pyrophosphates: A Combined Diffraction and ³¹P NMR Study. Journal of Physical Chemistry C, 2022, 126, 701-708.	3.1	4
3	Waste Face Surgical Mask Transformation into Crude Oil and Nanostructured Electrocatalysts for Fuel Cells and Electrolyzers. ChemSusChem, 2022, 15, .	6.8	26
4	Valorization of the inedible pistachio shells into nanoscale transition metal and nitrogen codoped carbon-based electrocatalysts for hydrogen evolution reaction and oxygen reduction reaction. Materials for Renewable and Sustainable Energy, 2022, 11, 131-141.	3.6	20
5	The Importance of Interphases in Energy Storage Devices: Methods and Strategies to Investigate and Control Interfacial Processes. Physchem, 2021, 1, 26-44.	1.1	0
6	Circular Economy and the Fate of Lithium Batteries: Second Life and Recycling. Advanced Energy and Sustainability Research, 2021, 2, 2100047.	5.8	16
7	Zaltoprofen/4,4â€²-Bipyridine: A Case Study to Demonstrate the Potential of Differential Scanning Calorimetry (DSC) in the Pharmaceutical Field. Journal of Pharmaceutical Sciences, 2021, 110, 3690-3701.	3.3	3
8	Probenecid and benzamide: cocrystal prepared by a green method and its physico-chemical and pharmaceutical characterization. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1859-1869.	3.6	13
9	Exploiting Selfâ€Healing in Lithium Batteries: Strategies for Nextâ€Generation Energy Storage Devices. Advanced Energy Materials, 2020, 10, 2002815.	19.5	38
10	FeTiO 3 as Anode Material for Sodiumâ€Ion Batteries: from Morphology Control to Decomposition. ChemElectroChem, 2020, 7, 1713-1722.	3.4	9
11	Correlating Structure and Properties of Superâ€Concentrated Electrolyte Solutions: ¹⁷O NMR and Electrochemical Characterization. ChemElectroChem, 2019, 6, 4002-4009.	3.4	7
12	Multicomponent crystals of gliclazide and tromethamine: preparation, physico-chemical, and pharmaceutical characterization. Drug Development and Industrial Pharmacy, 2018, 44, 243-250.	2.0	13
13	Oxygen transport and chemical compatibility with electrode materials in scheelite-type LaWxNb1â^'xO4+x/2 ceramic electrolyte. Journal of Alloys and Compounds, 2017, 697, 392-400.	5.5	18
14	Wide band-gap tuning in Sn-based hybrid perovskites through cation replacement: the FA_{1â^'x}MA_xSnBr₃ mixed system. Journal of Materials Chemistry A, 2017, 5, 9391-9395.	10.3	65
15	The FA_{1â€"<i>x</i>}MA_{<i>x</i>}PbI₃ System: Correlations among Stoichiometry Control, Crystal Structure, Optical Properties, and Phase Stability. Journal of Physical Chemistry C, 2017, 121, 8746-8751.	3.1	27
16	Aqueous Processing of Na_{0.44}MnO₂ Cathode Material for the Development of Greener Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 34891-34899.	8.0	60
17	Physicochemical Characterization of AlCl₃â€"1-Ethyl-3-methylimidazolium Chloride Ionic Liquid Electrolytes for Aluminum Rechargeable Batteries. Journal of Physical Chemistry C, 2017, 121, 26607-26614.	3.1	99
18	Solid-state NMR characterization of the structure and thermal stability of hybrid organicâ€"inorganic compounds based on a HLaNb2O7 Dionâ€"Jacobson layered perovskite. Physical Chemistry Chemical Physics, 2016, 18, 21903-21912.	2.8	17

#	Article	IF	Citations
19	Lattice strain effects on doping, hydration and proton transport in scheelite-type electrolytes for solid oxide fuel cells. Physical Chemistry Chemical Physics, 2016, 18, 29330-29336.	2.8	9
20	Glucose-assisted synthesis and wet-chemistry preparation of pyrophosphate cathodes for rechargeable Na-ion batteries. RSC Advances, 2016, 6, 99735-99742.	3.6	5
21	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
22	ZrO2/PEG hybrid nanocomposites synthesized via solâ€“gel: Characterization and evaluation of the magnetic properties. Journal of Non-Crystalline Solids, 2015, 413, 1-7.	3.1	22
23	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
24	Structure and Interactions in Polybenzimidazole Composite Membranes for High-Temperature Polymer Fuel Cells: A Full Multinuclear Solid-State NMR Study. Journal of Physical Chemistry C, 2015, 119, 18935-18944.	3.1	13
25	Mechanochemical Synthesis of Bumetanideâ€“4-Aminobenzoic Acid Molecular Cocrystals: A Facile and Green Approach to Drug Optimization. Journal of Physical Chemistry B, 2014, 118, 9180-9190.	2.6	20
26	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
27	Melilite LaSrGa_{3âˆ’<i>x</i>}Al_{<i>x</i>}O₇ Series: A Combined Solid-State NMR and Neutron Diffraction Study. Journal of Physical Chemistry C, 2014, 118, 15036-15043.	3.1	10
28	Mechanism of Lowâ€Temperature Protonic Conductivity in Bulk, Highâ€Density, Nanometric Titanium Oxide. Advanced Functional Materials, 2014, 24, 5137-5146.	14.9	23
29	2LiBH4â€“MgH2â€“0.13TiCl4 confined in nanoporous structure of carbon aerogel scaffold for reversible hydrogen storage. Journal of Alloys and Compounds, 2014, 599, 78-86.	5.5	36
30	Structure and magnetic properties of SiO2/PCL novel solâ€“gel organicâ€“inorganic hybrid materials. Journal of Solid State Chemistry, 2013, 203, 92-99.	2.9	44
31	An Experimental and Theoretical Investigation of Loperamide Hydrochlorideâ€“Glutaric Acid Cocrystals. Journal of Physical Chemistry B, 2013, 117, 8113-8121.	2.6	9
32	Local versus Average Structure in LaSrAl₃O₇: A NMR and DFT Investigation. Journal of Physical Chemistry C, 2013, 117, 23451-23458.	3.1	20
33	Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. Journal of Pharmaceutical Sciences, 2013, 102, 4079-4086.	3.3	50
34	Polymorphism and magnetic properties of Li2MSiO4 (M = Fe, Mn) cathode materials. Scientific Reports, 2013, 3, 3452.	3.3	29
35	Average versus local structure in K2NiF4-type LaSrAlO4: direct experimental evidence of local cationic ordering. Journal of Materials Chemistry, 2012, 22, 10488.	6.7	18
36	Vacancy and interstitial oxide ion migration in heavily doped La2âˆ’xSrxCoO4Â±Î´. Journal of Materials Chemistry, 2012, 22, 8969.	6.7	51

#	Article	IF	Citations
37	Structural and in vitro study of cerium, gallium and zinc containing solâ€“gel bioactive glasses. Journal of Materials Chemistry, 2012, 22, 13698.	6.7	71
38	High-temperature neutron diffraction study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn Correlation between structure and transport pr. Physical Review B, 2010, 82, .	3.2	29