Mario Casciola

List of Publications by Year
in descending order

147 papers	6,932 citations	66343 42 h-index	66911 78 g-index
150 all docs	150 docs citations	150 times ranked	4413 citing authors

#	Article	IF	Citations
1	Ionic and covalent crosslinking in chitosan-succinic acid membranes: Effect on physicochemical properties. Carbohydrate Polymers, 2021, 251, 117106.	10.2	34
2	Polydopamine Coated CeO2 as Radical Scavenger Filler for Aquivion Membranes with High Proton Conductivity. Materials, 2021, 14, 5280.	2.9	2
3	Investigating the effect of positional isomerism on the assembly of zirconium phosphonates based on tritopic linkers. Dalton Transactions, 2020, 49, 3662-3666.	3.3	8
4	A new challenge for nanocrystalline Î±-zirconium phosphate: reaction with a diepoxyalkane. Dalton Transactions, 2020, 49, 3869-3876.	3.3	3
5	Composite sodium alginate-ion exchangers as cleaning systems for the removal of gypsum efflorescences. Applied Clay Science, 2019, 181, 105216.	5.2	3
6	De-Ethylation and Cleavage of Rhodamine B by a Zirconium Phosphate/Silver Bromide Composite Photocatalyst. Catalysts, 2019, 9, 3.	3.5	28
7	From layered zirconium phosphates and phosphonates to nanofillers for ionomeric membranes. Solid State Ionics, 2019, 336, 1-10.	2.7	12
8	AgCl-ZnAl Layered Double Hydroxides as Catalysts with Enhanced Photodegradation and Antibacterial Activities. Inorganics, 2019, 7, 120.	2.7	11
9	On the evolution of proton conductivity of Aquivion membranes loaded with CeO2 based nanofillers: Effect of temperature and relative humidity. Journal of Membrane Science, 2019, 574, 17-23.	8.2	19
10	Crystallite formation effect on the physicochemical properties of SPEEK membranes for fuel cell application. International Journal of Hydrogen Energy, 2018, 43, 5175-5183.	7.1	11
11	Layered double hydroxide and zirconium phosphate as ion exchangers for the removal of â€˜black crustsâ€™ from the surface of ancient monuments. Dalton Transactions, 2018, 47, 2976-2985.	3.3	11
12	From microcrystalline to nanosized Î±-zirconium phosphate: Synthetic approaches and applications of an old material with a bright future. Coordination Chemistry Reviews, 2018, 374, 218-235.	18.8	36
13	Anionic conducting composite membranes based on aromatic polymer and layered double hydroxides. International Journal of Hydrogen Energy, 2017, 42, 3197-3205.	7.1	44
14	Mixed Membrane Matrices Based on Nafion/UiO-66/SO₃H-UiO-66 Nano-MOFs: Revealing the Effect of Crystal Size, Sulfonation, and Filler Loading on the Mechanical and Conductivity Properties. ACS Applied Materials & Interfaces, 2017, 9, 42239-42246.	8.0	90
15	3.7 Basic Aspects in Proton-Conducting Membranes for Fuel Cells. , 2017, , 171-205.		1
16	Improving the mechanical stability of proton conducting SPEEK membranes by in situ precipitation of zirconium phosphate phenylphosphonates. RSC Advances, 2016, 6, 36606-36614.	3.6	8
17	Carboxymethylcellulose films containing chlorhexidineâ€“zirconium phosphate nanoparticles: antibiofilm activity and cytotoxicity. RSC Advances, 2016, 6, 46249-46257.	3.6	19
18	A combined strategy for the synthesis of double functionalized Î±-zirconium phosphate organic derivatives. New Journal of Chemistry, 2016, 40, 8390-8396.	2.8	12

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19	Double filler reinforced ionomers: a new approach to the design of composite membranes for fuel cell applications. Journal of Materials Chemistry A, 2015, 3, 23530-23538.	10.3	21
20	Nanosized zirconium phosphate/AgCl composite materials: a new synergy for efficient photocatalytic degradation of organic dye pollutants. Journal of Materials Chemistry A, 2015, 3, 5525-5534.	10.3	41
21	Small is Beautiful: The Unusual Transformation of Nanocrystalline Layered Î±-Zirconium Phosphate into a New 3D Structure. Inorganic Chemistry, 2015, 54, 9146-9153.	4.0	18
22	A Layered Mixed Zirconium Phosphate/Phosphonate with Exposed Carboxylic and Phosphonic Groups: X-ray Powder Structure and Proton Conductivity Properties. Inorganic Chemistry, 2014, 53, 13220-13226.	4.0	71
23	Layered zirconium alkylphosphates: Suitable materials for novel PFSA composite membranes with improved proton conductivity and mechanical stability. Journal of Membrane Science, 2014, 462, 42-49.	8.2	29
24	Reactive coaxial electrospinning of ZrP/ZrO2 nanofibres. Journal of Materials Chemistry A, 2014, 2, 13359-13365.	10.3	16
25	Dynamic nuclear polarisation NMR of nanosized zirconium phosphate polymer fillers. Chemical Communications, 2014, 50, 10137-10139.	4.1	12
26	Promising Aquivion Composite Membranes based on Fluoroalkyl Zirconium Phosphate for Fuel Cell Applications. ChemSusChem, 2014, 7, 2176-2184.	6.8	20
27	Layered Metal(IV) Phosphonates with Rigid Pendant Groups: New Synthetic Approaches to Nanosized Zirconium Phosphate Phenylphosphonates. Inorganic Chemistry, 2014, 53, 2222-2229.	4.0	24
28	Zirconium phosphate reinforced short side chain perflurosulfonic acid membranes for medium temperature proton exchange membrane fuel cell application. Journal of Power Sources, 2014, 262, 407-413.	7.8	20
29	Waterâ€Mediated Proton Conduction in a Robust Triazolyl Phosphonate Metalâ€“Organic Framework with Hydrophilic Nanochannels. Chemistry - A European Journal, 2014, 20, 8862-8866.	3.3	35
30	Synthesis, Crystal Structure, and Proton Conductivity of One-Dimensional, Two-Dimensional, and Three-Dimensional Zirconium Phosphonates Based on Glyphosate and Glyphosine. Inorganic Chemistry, 2013, 52, 12131-12139.	4.0	47
31	Looking for New Hybrid Polymer Fillers: Synthesis of Nanosized Î±-Type Zr(IV) Organophosphonates through an Unconventional Topotactic Anion Exchange Reaction. Inorganic Chemistry, 2013, 52, 7680-7687.	4.0	30
32	Physical and chemical modification routes leading to improved mechanical properties of perfluorosulfonic acid membranes for PEM fuel cells. Journal of Power Sources, 2013, 233, 216-230.	7.8	148
33	Cross-linked sulfonated aromatic ionomers via SO 2 bridges: Conductivity properties. Journal of Power Sources, 2013, 243, 488-493.	7.8	32
34	A critical investigation of the effect of hygrothermal cycling on hydration and in-plane/through-plane proton conductivity of Nafion 117 at medium temperature (70â€“130ÂÂ°C). Journal of Power Sources, 2013, 235, 129-134.	7.8	23
35	Aminoalcohol functionalized zirconium phosphate as versatile filler for starch-based composite membranes. Carbohydrate Polymers, 2013, 97, 210-216.	10.2	8
36	Short side chain perfluorosulfonic acid membranes and their composites with nanosized zirconium phosphate: hydration, mechanical properties and proton conductivity. Journal of Materials Chemistry, 2012, 22, 24902.	6.7	29

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37	Effects of water freezing on the mechanical properties of nafion membranes. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1421-1425.	2.1	16
38	Survey on the Phase Transitions and Their Effect on the Ion-Exchange and on the Proton-Conduction Properties of a Flexible and Robust Zr Phosphonate Coordination Polymer. Inorganic Chemistry, 2012, 51, 6992-7000.	4.0	89
39	Starch/zirconium phosphate composite films: Hydration, thermal stability, and mechanical properties. Starch/Staerke, 2012, 64, 237-245.	2.1	18
40	High performance sulfonated aromatic ionomers byÂsolvothermal macromolecular synthesis. International Journal of Hydrogen Energy, 2012, 37, 8672-8680.	7.1	41
41	Conductivity and hydration of sulfonated polyethersulfone in the range 70â€“120Â°C: Effect of temperature and relative humidity cycling. Journal of Power Sources, 2012, 205, 145-150.	7.8	24
42	New approach for the evaluation of membranes transport properties for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2012, 205, 222-230.	7.8	29
43	Advances in the Chemistry of Nanosized Zirconium Phosphates: A New Mild and Quick Route to the Synthesis of Nanocrystals. Inorganic Chemistry, 2011, 50, 11623-11630.	4.0	60
44	Composite polymer electrolytes of sulfonated poly-ether-ether-ketone (SPEEK) with organically functionalized TiO2. Journal of Membrane Science, 2011, 369, 536-544.	8.2	78
45	Water Activity Coefficient and Proton Mobility in Hydrated Acidic Polymers. Journal of the Electrochemical Society, 2011, 158, B159.	2.9	38
46	Synthesis and characterization of new zirconium 4-sulfophenylphosphonates. Solid State Ionics, 2010, 181, 705-713.	2.7	43
47	Nanosized composites of synthetic zeolites and silver iodide as potentially electrochemically active materials. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66, 319-325.	1.6	0
48	Methanol permeability and performance of Nafionâ€“zirconium phosphate composite membranes in active and passive direct methanol fuel cells. Journal of Power Sources, 2010, 195, 7751-7756.	7.8	42
49	Measurement of the Young's modulus of Nafion membranes by Brillouin light scattering. Journal of Power Sources, 2010, 195, 7761-7764.	7.8	20
50	A new polyfunctional acid material for solid state proton conductivity in dry environment: Nafion doped with difluoromethandiphosphonic acid. Solid State Ionics, 2010, 181, 578-585.	2.7	13
51	Basic Aspects in Proton-Conducting Membranes for Fuel Cells. , 2010, , 431-465.		5
52	Organically Modified Zirconium Phosphate by Reaction with 1,2-Epoxydodecane as Host Material for Polymer Intercalation: Synthesis and Physicochemical Characterization. Inorganic Chemistry, 2010, 49, 3329-3336.	4.0	41
53	High Yield Precipitation of Crystalline Î±-Zirconium Phosphate from Oxalic Acid Solutions. Inorganic Chemistry, 2010, 49, 9409-9415.	4.0	41
54	Preparation, Proton Conductivity and Mechanical Properties of Nafion 117â€“Zirconium Phosphate Sulphophenylphosphonate Composite Membranes. Fuel Cells, 2009, 9, 381-386.	2.4	37

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55	Conductivity and Methanol Permeability of Nafionâ€“Zirconium Phosphate Composite Membranes Containing High Aspect Ratio Filler Particles. Fuel Cells, 2009, 9, 394-400.	2.4	48
56	Self-assembled nanocomposite organicâ€“inorganic proton conducting sulfonated poly-ether-ether-ketone (SPEEK)-based membranes: Optimized mechanical, thermal and electrical properties. Journal of Power Sources, 2009, 192, 353-359.	7.8	36
57	Epoxy-nanocomposites containing exfoliated zirconium phosphate: Preparation via cationic photopolymerisation and physicochemical characterisation. European Polymer Journal, 2009, 45, 2487-2493.	5.4	24
58	Nafionâ€“Zirconium Phosphate Nanocomposite Membranes with High Filler Loadings: Conductivity and Mechanical Properties. Fuel Cells, 2008, 8, 217-224.	2.4	65
59	Polyvinylidene fluoride/zirconium phosphate sulfophenylphosphonate nanocomposite films: microstructure and mechanical properties. Journal of Materials Chemistry, 2008, 18, 4291.	6.7	13
60	Low-frequency dynamics of water absorbed in Nafion membranes as a function of temperature. Philosophical Magazine, 2007, 87, 477-483.	1.6	1
61	Novel Nafionâ€“zirconium phosphate nanocomposite membranes with enhanced stability of proton conductivity at medium temperature and high relative humidity. Electrochimica Acta, 2007, 52, 8125-8132.	5.2	164
62	Preparation and analysis of new proton conducting membranes for fuel cells. Solid State Ionics, 2007, 178, 493-500.	2.7	6
63	Vibrational spectra and H-bondings in anhydrous and monohydrate Î±-Zr phosphates. Journal of Solid State Chemistry, 2007, 180, 1198-1208.	2.9	12
64	Temperature-Dependent Dynamics of Water Confined in Nafion Membranes. Journal of Physical Chemistry B, 2006, 110, 13769-13776.	2.6	36
65	Preparation and properties of nafion membranes containing nanoparticles of zirconium phosphate. Desalination, 2006, 199, 280-282.	8.2	19
66	Proton conducting membranes for medium temperature fuel cells: recent advances and new strategies. Desalination, 2006, 199, 4-5.	8.2	7
67	Factors affecting the stability of Nafion conductivity at high temperature and relative humidity. Desalination, 2006, 200, 639-641.	8.2	6
68	Preparation and characterization of sulfonated PEEK-WC membranes for fuel cell applications. Journal of Power Sources, 2006, 160, 139-147.	7.8	56
69	On the decay of Nafion proton conductivity at high temperature and relative humidity. Journal of Power Sources, 2006, 162, 141-145.	7.8	198
70	Dynamics of water confined in fuel cell Nafion membranes containing zirconium phosphate nanofiller. Journal of Physics Condensed Matter, 2006, 18, S2029-S2038.	1.8	10
71	Characterization of Zr Phosphate/PVDF Nanocomposites by Vibrational Spectroscopy. Macromolecular Symposia, 2005, 230, 95-104.	0.7	14
72	Electrical conductivity of MOXO4 (M=V, Nb; X=P, As) compounds intercalated with H2O and H3XO4. Journal of Solid State Chemistry, 2005, 178, 1778-1785.	2.9	3

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73	New Preparation Methods for Composite Membranes for Medium Temperature Fuel Cells Based on Precursor Solutions of Insoluble Inorganic Compounds. Fuel Cells, 2005, 5, 366-374.	2.4	71
74	Nanocomposite membranes made of zirconium phosphate sulfophenylenphosphonate dispersed in polyvinylidene fluoride: Preparation and proton conductivity. Solid State Ionics, 2005, 176, 2985-2989.	2.7	37
75	Preparation and characterisation of Î±-layered zirconium phosphate sulfophenylenphosphonates with variable concentration of sulfonic groups. Solid State Ionics, 2005, 176, 2893-2898.	2.7	62
76	Gels of zirconium phosphate in organic solvents and their use for the preparation of polymeric nanocomposites. Journal of Materials Chemistry, 2005, 15, 4262.	6.7	57
77	Silicaâ€“zirconium phosphateâ€“phosphoric acid composites: preparation, proton conductivity and use in gas sensors. Solid State Ionics, 2004, 166, 19-25.	2.7	16
78	Sulfonated PEEK-WC membranes for possible fuel cell applications. Journal of Membrane Science, 2004, 228, 139-148.	8.2	105
79	Preparation and proton conductivity of composite ionomeric membranes obtained from gels of amorphous zirconium phosphate sulfophenylenphosphonates in organic solvents. Journal of Materials Chemistry, 2004, 14, 1910.	6.7	46
80	Preparation of Nanoâ€Structured Polymeric Proton Conducting Membranes for Use in Fuel Cells. Annals of the New York Academy of Sciences, 2003, 984, 208-225.	3.8	24
81	Composite Membranes for Medium-Temperature PEM Fuel Cells. Annual Review of Materials Research, 2003, 33, 129-154.	9.3	488
82	Polymeric proton conducting membranes for medium temperature fuel cells (110â€“160Â°C). Journal of Membrane Science, 2001, 185, 73-81.	8.2	578
83	Solid state protonic conductors, present main applications and future prospects. Solid State Ionics, 2001, 145, 3-16.	2.7	378
84	Preparation, characterization and proton conductivity of titanium phosphate sulfophenylphosphonate. Solid State Ionics, 2001, 145, 249-255.	2.7	75
85	Inorgano-organic proton conducting membranes for fuel cells and sensors at medium temperatures. Journal of Membrane Science, 2000, 172, 233-239.	8.2	98
86	Proton conductivity of mesoporous zirconium phosphate pyrophosphate. Solid State Ionics, 1999, 125, 91-97.	2.7	76
87	Title is missing!. Journal of Porous Materials, 1999, 6, 299-305.	2.6	33
88	Intercalation Compounds of Vanadyl Phosphate Dihydrate with Rubidium Ion and Their Electrical Properties. Chemistry of Materials, 1999, 11, 3258-3262.	6.7	10
89	Preparation and Characterization of a Composite of Silver Iodide and Synthetic Mordenite. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1998, 31, 131-143.	1.6	6
90	Electrochemical and spectroscopic characterisation of barium acid salts of 3,5-disulfophenylphosphonic acid. Journal of Materials Chemistry, 1998, 8, 961-964.	6.7	21

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91	Vibrational spectroscopic characterisation of protonic conducting polyethyleneimine-Î±- and Î³-zirconium phosphate nanocomposites. Solid State Ionics, 1997, 97, 261-267.	2.7	26
92	Intercalation and grafting of hydrogen phosphates and phosphonates into synthetic hydrotalcites and a.c.-conductivity of the compounds thereby obtained. Solid State Ionics, 1997, 97, 203-212.	2.7	112
93	Layered metalIV phosphonates, a large class of inorgano-organic proton conductors. Solid State Ionics, 1997, 97, 177-186.	2.7	142
94	Electrical-Transport Properties of Hydrated and Anhydrous Vanadyl Phosphate in the Temperature Range 20â˜200 Â°C. Chemistry of Materials, 1996, 8, 2505-2509.	6.7	14
95	Preparation, proton transport properties and use in gas sensors of thin films of zirconium phosphate with Î³-layered structure. Ionics, 1996, 2, 179-183.	2.4	8
96	Layered and pillared metal(IV) phosphates and phosphonates. Advanced Materials, 1996, 8, 291-303.	21.0	391
97	Protonic conductivity of layered zirconium phosphonates containing â€”SO3H groups. III. Preparation and characterization of Î³-zirconium sulfoaryl phosphonates. Solid State Ionics, 1996, 84, 97-104.	2.7	90
98	Preparation and characterization of a composite of silver iodide and synthetic zeolite ZSM5. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1996, 25, 303-312.	1.6	10
99	Organoinorganic sulfonated polymers?Review. Journal of Inorganic and Organometallic Polymers, 1996, 6, 301-312.	1.5	3
100	A study of the silver form of a natural zeolitic material of the clinoptilolite type. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1995, 20, 233-240.	1.6	3
101	Zirconium 2-amino ethyl phosphonate: Preparation, characterization and preliminary study of its electrical conductivity and intercalation properties. Solid State Ionics, 1995, 77, 229-233.	2.7	37
102	Structural aspects of the dehydration of Î±-Zr(HPO4)2 Â· H2O. Solid State Ionics, 1995, 77, 55-62.	2.7	13
103	Proton-conducting solid dispersions of silica and zirconium phosphate pyrophosphate. Journal of Materials Chemistry, 1995, 5, 1809.	6.7	35
104	AC and DC electrochemical investigation of Î±-zirconium phosphate intercalated with hexamethylenetetramine. Journal of Materials Chemistry, 1995, 5, 991-994.	6.7	1
105	NMR investigation on molecular mobility of pyrazole and pyridazineintercalated in layered Î±-zirconium phosphate. Solid State Ionics, 1994, 68, 105-110.	2.7	19
106	Examination of the orientation dependence of the quasielastic scattering of neutrons by pellicular zirconium phosphate film. Journal of Materials Chemistry, 1994, 4, 1313.	6.7	0
107	Ac and dc conductivity study of natural zeolitic material of the clinoptilolite type and its iodine forms. Solid State Ionics, 1993, 66, 189-194.	2.7	18
108	ac conductivity of Î±-layered zirconium phosphate in the presence of water vapour at 100â€“200Â°C. Solid State Ionics, 1993, 61, 125-129.	2.7	27

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109	Amperometric sensor for carbon monoxide based on solid state protonic conduction. Solid State Ionics, 1993, 61, 241-244.	2.7	33
110	Intercalation compounds of zirconium phosphates with substituted pyrazoles and imidazoles and their ac conductivity. Solid State Ionics, 1993, 61, 245-250.	2.7	20
111	Preparation and characterization of zirconium phosphate phosphonates, ZrPO4(H2PO4)1-x(RPO2OH)x.nH2O, with .gamma.-layer structure (R = CH3, C3H7, C6H11). Inorganic Chemistry, 1993, 32, 4600-4604.	4.0	34
112	Preparation and some properties of Zr phosphate hypophosphite and Zr phosphate dimethylphosphinate with Î³-layered structure. Inorganica Chimica Acta, 1992, 201, 207-212.	2.4	26
113	Protonic conductivity of layered zirconium phosphonates containing -SO3H groups. II. Ac conductivity of zirconium alkyl-sulphophenyl phosphonates in the range 100â€“200Â°C, in the presence or absence of water vapour. Solid State Ionics, 1992, 58, 339-344.	2.7	80
114	Potentiometric sensor for oxygen based on O2_H2 mixed potential of a composite Pt-metal hydride electrode. Solid State Ionics, 1992, 52, 291-295.	2.7	26
115	Protonic conductivity of layered zirconium phosphonates containing â^'SO3H groups. I. Preparation and characterization of a mixed zirconium phosphonate of composition Zr(O3PR)0.73(O3PRâ€²)1.27Â·nH2O, with R=â^'C6H4â^'SO3H and Râ€² = â^'CH2â^'OH. Solid State Ionics, 1992, 50, 315-322.	2.7	105
116	Intercalation compounds of Î±-zirconium hydrogen phosphate with heterocyclic bases and their ac conductivity. Solid State Ionics, 1991, 46, 53-59.	2.7	37
117	Proton conductivity of zirconium carboxy n-alkyl phosphonates with an Î±-layered structure. Solid State Ionics, 1991, 46, 61-68.	2.7	48
118	Study of proton-metal ion conduction in polyhydrated Î±-ZrHMg0.5(PO4)2 and Î±-ZrH0.5Cr0.5(PO4)2 by ac/dc conductivity and EMF measurements. Solid State Ionics, 1991, 46, 129-133.	2.7	11
119	Use of solid state protonic conductors for oxygen potentiometric sensor at room temperature. Solid State Ionics, 1991, 46, 183-186.	2.7	15
120	Proton-metal ion conduction in monoalkali salt forms of Î±-zirconium phospate. Solid State Ionics, 1991, 47, 155-159.	2.7	8
121	Preparation, structural characterization and conductivity of LiTixZr2â^'x(PO4)3. Solid State Ionics, 1990, 37, 281-287.	2.7	29
122	Formation and Intercalation of Hexamethylenetetramine in the Layered Structure of alpha-Zirconium Phosphate.. Acta Chemica Scandinavica, 1990, 44, 459-463.	0.7	8
123	Preparation of Î³-zirconium phosphate microcrystals with high degree of crystallinity and proton conductivity of their hydrogen and ammonium forms. Reactive & Functional Polymers, 1989, 11, 245-252.	0.8	60
124	ac and dc conductivity of polyhydrated monolithium and monosodium salt forms of Î±-zirconium phosphate. Solid State Ionics, 1989, 35, 59-65.	2.7	9
125	Influence of the guest molecules on the protonic conduction of anhydrous intercalation compounds of Î±-Zirconium hydrogen phosphate with diamines. Solid State Ionics, 1989, 35, 67-71.	2.7	35
126	Protonic conduction of polyhydrated phases obtained from colloidal dispersions of Î±-zirconium. Solid State Ionics, 1989, 32-33, 40-44.	2.7	18

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127	Intercalation of Î±,Ï‰-alkyldiamines in layered Î±-zirconium phosphate and the inclusion behaviour of some of the intercalates obtained. Journal of Inclusion Phenomena, 1988, 6, 291-306.	0.6	44
128	ac Conductivity of cerium (IV) phosphate in hydrogen form. Solid State Ionics, 1988, 28-30, 617-621.	2.7	9
129	Preparation, structural characterization and conductivity of LiZr2(PO4)3. Solid State Ionics, 1988, 26, 229-235.	2.7	53
130	Response to pH of an electrode made up of a monocrystal of Î±-Zr(HPO4)2Â·H2O. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 216, 283-288.	0.1	3
131	Relative humidity influence on proton conduction of hydrated pellicular zirconium phosphate in hydrogen formâ˜†. Solid State Ionics, 1986, 20, 69-73.	2.7	46
132	Protonic conduction of intercolation compounds of Î±-zirconium phosphate with propylamine. Solid State Ionics, 1986, 22, 127-133.	2.7	33
133	Frequency response of polycrystalline samples of Î±â˜†Zr(HPO4)2Â·H2O at different relative humidities. Solid State Ionics, 1985, 17, 287-293.	2.7	64
134	Frequency response of polycrystalline samples of Î±-Zr(HPO4)2Â·H2O with different relative densitiesâ˜†. Solid State Ionics, 1985, 17, 7-12.	2.7	14
135	Inorganic ion-exchange pellicles obtained by delamination of Î±-zirconium phosphate crystals. Journal of Colloid and Interface Science, 1985, 107, 256-263.	9.4	212
136	ac conductivity of anhydrous pellicular zirconium phosphate in hydrogen form. Solid State Ionics, 1984, 14, 289-295.	2.7	71
137	Dielectric properties of Î±-zirconium phosphate and its organic derivativesâ˜†. Solid State Ionics, 1983, 8, 27-34.	2.7	10
138	Inorganic ion-exchange membranes made of acid salts of tetravalent metals. A short review. Journal of Membrane Science, 1983, 16, 137-149.	8.2	24
139	Ionic conduction of Î³-titanium phosphate in hydrogen and alkali metal salt formsâ˜†. Solid State Ionics, 1982, 7, 243-247.	2.7	19
140	Surface ion exchange and adsorption of same dyes on Î±-Zr(HPO4)2Â·H2O micro-crystals. Journal of Chromatography A, 1980, 195, 270-276.	3.7	2
141	Crystalline insoluble acid salts of tetravalent metalsâ€”XXXIV. Journal of Inorganic and Nuclear Chemistry, 1980, 42, 1637-1640.	0.5	32
142	Crystalline insoluble acid salts of tetravalent metalsâ€”XXXI. Journal of Inorganic and Nuclear Chemistry, 1979, 41, 1047-1052.	0.5	10
143	Ion exchange of some divalent and trivalent cations on the surface of zirconium acid phosphate micro-crystals. Journal of Chromatography A, 1978, 160, 109-115.	3.7	15
144	Inorganic ion exchange membranes consisting of microcrystals of zirconium phosphate supported by KynarÂ®. Journal of Membrane Science, 1978, 3, 179-190.	8.2	28

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145	On the mechanism of diffusion and ionic transport in crystalline insoluble acid salts of tetravalent metalsâ€"I Electrical conductance of zirconium bis (monohydrogen ortho-phosphate) monohydrate with a layered structure. Journal of Inorganic and Nuclear Chemistry, 1978, 40, 533-537.	0.5	99
146	Crystalline insoluble acid salts of tetravalent metalsâ€"XXI ion exchange mechanism of alkaline earth metal. Journal of Inorganic and Nuclear Chemistry, 1976, 38, 843-848.	0.5	50
147	Crystalline insoluble acid salts of tetravalent metals. Journal of Chromatography A, 1976, 128, 289-299.	3.7	28