Marco Giorgetti

List of Publications by Year
in descending order

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109	3,102	125106	206121
papers	citations	35 h-index	51 g-index

113	113	113	4210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stable films of zinc-hexacyanoferrate: electrochemistry and ion insertion capabilities. Journal of Solid State Electrochemistry, 2022, 26, 63-72.	1.2	2
2	Symmetric Aqueous Batteries of Titanium Hexacyanoferrate in Na+, K+, and Mg2+ Media. Batteries, 2022, 8, 1.	2.1	3
3	Easy recovery of Li-ion cathode powders by the use of water-processable binders. Electrochimica Acta, 2022, 418, 140376.	2.6	11
4	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. Electrochimica Acta, 2021, 365, 137294.	2.6	19
5	Electrosynthesis and characterization of Layered Double Hydroxides on different supports. Applied Clay Science, 2021, 202, 105949.	2.6	5
6	Multi-edge and Multiple Scattering EXAFS Analysis of Metal Hexacyanoferrates: Application in Battery Materials. Springer Proceedings in Physics, 2021, , 99-109.	0.1	0
7	Soft X-ray Transmission Microscopy on Lithium-Rich Layered-Oxide Cathode Materials. Applied Sciences (Switzerland), 2021, 11, 2791.	1.3	6
8	Cross-Investigation on Copper Nitroprusside: Combining XRD and XAS for In-Depth Structural Insights. Condensed Matter, 2021, 6, 27.	0.8	5
9	Titanium Activation in Prussian Blue Based Electrodes for Na-ion Batteries: A Synthesis and Electrochemical Study. Batteries, 2021, 7, 5.	2.1	6
10	Efficient chemical stabilization of tannery wastewater pollutants in a single step process: Geopolymerization. Sustainable Environment Research, 2021, 31, .	2.1	6
11	Electrochemical performance of manganese hexacyanoferrate cathode material in aqueous Zn-ion battery. Electrochimica Acta, 2021, 400, 139414.	2.6	17
12	Metal Hexacyanoferrate Absorbents for Heavy Metal Removal. Environmental Chemistry for A Sustainable World, 2021, , 171-194.	0.3	1
13	XAFS studies on battery materials: Data analysis supported by a chemometric approach. Radiation Physics and Chemistry, 2020, 175, 108252.	1.4	2
14	The peculiar redox mechanism of copper nitroprusside disclosed by a multi-technique approach. Radiation Physics and Chemistry, 2020, 175, 108336.	1.4	3
15	Highlighting the Reversible Manganese Electroactivity in Naâ€Rich Manganese Hexacyanoferrate Material for Liâ€•and Naâ€Ion Storage. Small Methods, 2020, 4, 1900529.	4.6	43
16	Effect of Water and Alkaliâ€Ion Content on the Structure of Manganese(II) Hexacyanoferrate(II) by a Joint Operando Xâ€ray Absorption Spectroscopy and Chemometric Approach. ChemSusChem, 2020, 13, 608-615.	3.6	15
17	Detailing the Self-Discharge of a Cathode Based on a Prussian Blue Analogue. Energies, 2020, 13, 4027.	1.6	6
18	Structural Effects of Anomalous Current Densities on Manganese Hexacyanoferrate for Li-Ion Batteries. Applied Sciences (Switzerland), 2020, 10, 7573.	1.3	0

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19	Reversible Jahnâ€“Teller Effect: Highlighting the Reversible Manganese Electroactivity in Naâ€Rich Manganese Hexacyanoferrate Material for Liâ€•and Naâ€Ion Storage (Small Methods 1/2020). Small Methods, 2020, 4, 2070005.	4.6	1
20	The coordination core and charge of chromium in Metakaolin-geopolymers as revealed by X-Ray absorption spectroscopy. Materials Letters, 2020, 270, 127741.	1.3	10
21	Lattice Compensation to Jahnâ€“Teller Distortion in Na-Rich Manganese Hexacyanoferrate for Li-Ion Storage: An Operando Study. ACS Applied Energy Materials, 2020, 3, 5728-5733.	2.5	22
22	Applying chemometrics to study battery materials: Towards the comprehensive analysis of complex operando datasets. Energy Storage Materials, 2019, 18, 328-337.	9.5	44
23	Role of Manganese in Lithium- and Manganese-Rich Layered Oxides Cathodes. Journal of Physical Chemistry Letters, 2019, 10, 3359-3368.	2.1	29
24	Beyond the Oxygen Redox Strategy in Designing Cathode Material for Batteries: Dynamics of a Prussian Blue-like Cathode Revealed by Operando X-ray Diffraction and X-ray Absorption Fine Structure and by a Theoretical Approach. Journal of Physical Chemistry C, 2019, 123, 8588-8598.	1.5	16
25	Metal Hexacyanoferrates: Ion Insertion (or Exchange) Capabilities. , 2019, , 109-133.		7
26	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. Journal of Materials Chemistry A, 2019, 7, 11241-11249.	5.2	34
27	Ni/Al Layered Double Hydroxide and Carbon Nanomaterial Composites for Glucose Sensing. ACS Applied Nano Materials, 2019, 2, 143-155.	2.4	29
28	Operando XAFS and XRD Study of a Prussian Blue Analogue Cathode Material: Iron Hexacyanocobaltate. Condensed Matter, 2018, 3, 36.	0.8	21
29	Thin layer films of copper hexacyanoferrate: Structure identification and analytical applications. Journal of Electroanalytical Chemistry, 2018, 827, 10-20.	1.9	9
30	Copper Electroactivity in Prussian Blue-Based Cathode Disclosed by Operando XAS. Journal of Physical Chemistry C, 2018, 122, 15868-15877.	1.5	36
31	Thermodynamic stability and structure in aqueous solution of the [Cu(PTA)4]+ complex (PTAâ€¯=â€¯aminophosphineâ€‘1,3,5â€‘triazaâ€‘7â€‘phosphaadamantane). Journal of Inorganic Biochemistry, 2018, 188, 50-61.	1.1	9
32	Operandocharacterization of batteries using x-ray absorption spectroscopy: advances at the beamline XAFS at synchrotron Elettra. Journal Physics D: Applied Physics, 2017, 50, 074001.	1.3	85
33	Electrochemically synthesized cobalt redox active layered double hydroxides for supercapacitors development. Applied Clay Science, 2017, 143, 151-158.	2.6	24
34	The electrochemical activity of the nitrosyl ligand in copper nitroprusside: a new possible redox mechanism for lithium battery electrode materials?. Electrochimica Acta, 2017, 257, 364-371.	2.6	15
35	Fe, Ni and Zn speciation, in airborne particulate matter. Journal of Physics: Conference Series, 2016, 712, 012087.	0.3	1
36	Role of Fe in the oxidation of methanol electrocatalyzed by Ni based layered double hydroxides: X-ray spectroscopic and electrochemical studies. RSC Advances, 2016, 6, 110976-110985.	1.7	24

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37	Insights into the cytotoxic activity of the phosphane copper(I) complex [Cu(thp)4][PF6]. Journal of Inorganic Biochemistry, 2016, 165, 80-91.	1.5	38
38	Electron transfer and spin transition in metal-hexacyanoferrates driven by anatase TiO₂: electronic and structural order effects. New Journal of Chemistry, 2016, 40, 10406-10411.	1.4	3
39	Structural and electronic studies of metal hexacyanoferrates based cathodes for Li rechargeable batteries. Journal of Physics: Conference Series, 2016, 712, 012127.	0.3	10
40	Local structure modification in lithium rich layered Li-Mn-O cathode material. Journal of Physics: Conference Series, 2016, 712, 012130.	0.3	2
41	Speciation of Gold Nanoparticles by Ex Situ Extended X-ray Absorption Fine Structure and X-ray Absorption Near Edge Structure. Analytical Chemistry, 2016, 88, 6873-6880.	3.2	9
42	Electrocatalytic determination of thiols using hybrid copper cobalt hexacyanoferrate modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2016, 228, 16-24.	4.0	17
43	Physicochemical characterization of metal hexacyanometallateâ€“TiO₂composite materials. RSC Advances, 2015, 5, 35435-35447.	1.7	21
44	Homoleptic phosphino copper(<scp>i</scp>) complexes with in vitro and in vivo dual cytotoxic and anti-angiogenic activity. Metallomics, 2015, 7, 1497-1507.	1.0	54
45	Anatase-driven charge transfer involving a spin transition in cobalt iron cyanide nanostructures. Physical Chemistry Chemical Physics, 2015, 17, 22519-22522.	1.3	16
46	Xâ€ray Absorption Spectroscopy Investigation of Lithiumâ€Rich, Cobaltâ€Poor Layeredâ€Oxide Cathode Material with High Capacity. ChemElectroChem, 2015, 2, 85-97.	1.7	54
47	Copper hexacyanoferrate modified electrodes for hydrogen peroxide detection as studied by X-ray absorption spectroscopy. Journal of Solid State Electrochemistry, 2014, 18, 965-973.	1.2	18
48	The coordination core of Ag(<scp>i</scp>) N-heterocyclic carbene (NHC) complexes with anticancer properties as revealed by synchrotron radiation X-ray absorption spectroscopy. Journal of Analytical Atomic Spectrometry, 2014, 29, 491-497.	1.6	7
49	Electrochemistry of TiO2â€“iron hexacyanocobaltate composite electrodes. Solid State Ionics, 2014, 259, 53-58.	1.3	8
50	In Vitro and in Vivo Anticancer Activity of Copper(I) Complexes with Homoscorpionate Tridentate Tris(pyrazolyl)borate and Auxiliary Monodentate Phosphine Ligands. Journal of Medicinal Chemistry, 2014, 57, 4745-4760.	2.9	100
51	Pure copper vs. mixed copper and palladium hexacyanoferrates for glucose biosensing applications. Journal of Solid State Electrochemistry, 2013, 17, 2805-2814.	1.2	8
52	Synthesis and in vitro antitumor activity of water soluble sulfonate- and ester-functionalized silver(I) N-heterocyclic carbene complexes. Journal of Inorganic Biochemistry, 2013, 129, 135-144.	1.5	70
53	Layered-double-hydroxide-modified electrodes: electroanalytical applications. Analytical and Bioanalytical Chemistry, 2013, 405, 603-614.	1.9	97
54	Heterostructure of Au Nanoparticlesâ€”NiAl Layered Double Hydroxide: Electrosynthesis, Characterization, and Electrocatalytic Properties. Journal of Physical Chemistry C, 2013, 117, 16221-16230.	1.5	37

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55	A Review on the Structural Studies of Batteries and Host Materials by X-Ray Absorption Spectroscopy. ISRN Materials Science, 2013, 2013, 1-22.	1.0	49
56	Structural study of the Cu²⁺-loaded copper hexacyanoferrate electrode deposited on indium tin oxide substrate. Journal of Physics: Conference Series, 2013, 430, 012049.	0.3	5
57	Electrochemical synthesis of nano-cobalt hexacyanoferrate at a solâ€“gel-coated electrode templated with Î²-cyclodextrin. Journal of Solid State Electrochemistry, 2012, 16, 2861-2866.	1.2	10
58	Structural characterization of electrodeposited copper hexacyanoferrate films by using a spectroscopic multi-technique approach. Physical Chemistry Chemical Physics, 2012, 14, 5527.	1.3	68
59	Straightforward Synthesis of Gold Nanoparticles Supported on Commercial Silica-Polyethyleneimine Beads. Journal of Physical Chemistry C, 2012, 116, 25434-25443.	1.5	32
60	Synchrotron radiation X-ray absorption spectroscopic studies in solution and electrochemistry of a nitroimidazole conjugated heteroscorpionate copper(II) complex. Polyhedron, 2012, 48, 174-180.	1.0	19
61	Synthesis Route to Supported Gold Nanoparticle Layered Double Hydroxides as Efficient Catalysts in the Electrooxidation of Methanol. Langmuir, 2012, 28, 15065-15074.	1.6	38
62	A study on the coordinative versatility of new N,S-donor macrocyclic ligands: XAFS, and Cu2+ complexation thermodynamics in solution. Dalton Transactions, 2011, 40, 2764.	1.6	37
63	Nitroimidazole and glucosamine conjugated heteroscorpionate ligands and related copper(ii) complexes. Syntheses, biological activity and XAS studies. Dalton Transactions, 2011, 40, 9877.	1.6	42
64	Voltammetric Determination of ITX in Hydro-Alcoholic Solutions and Wine. Analytical Letters, 2011, 44, 2335-2346.	1.0	4
65	Improved performances of electrodes based on Cu2+-loaded copper hexacyanoferrate for hydrogen peroxide detection. Electrochimica Acta, 2010, 55, 5036-5039.	2.6	38
66	Cobalt hexacyanoferrateâ€“poly(methyl methacrylate) composite: Synthesis and characterization. Materials Chemistry and Physics, 2010, 120, 118-122.	2.0	18
67	Electrocatalytic Performances of Pure and Mixed Hexacyanoferrates of Cu and Pd for the Reduction of Hydrogen Peroxide. Electroanalysis, 2010, 22, 1695-1701.	1.5	17
68	Chemiresistors for ethanol detection in hydrocarbons. Sensors and Actuators B: Chemical, 2010, 148, 147-152.	4.0	10
69	Multivariate Curve Resolution Analysis for Interpretation of Dynamic Cu K-Edge X-ray Absorption Spectroscopy Spectra for a Cu Doped V₂O₅ Lithium Battery. Analytical Chemistry, 2010, 82, 3629-3635.	3.2	70
70	Synthesis and Characterization of Nanostructured Cobalt Hexacyanoferrate. Journal of Physical Chemistry C, 2010, 114, 6401-6407.	1.5	57
71	Evidence for a double doping regime in Nd:YAG nanopowders. Journal of Materials Science, 2009, 44, 1572-1579.	1.7	3
72	Cu K-edge EXAFS on copper(I) complexes containing dihydridobis(3-nitro-1,2,4-triazol-1-yl)borate and bis(1,2,4-triazol-1-yl)acetate ligand: Evidence for the Cuâ€“O interaction. Polyhedron, 2009, 28, 3600-3606.	1.0	20

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73	EXAFS and XANES simulations of Fe/Co hexacyanoferrate spectra by GNXAS and MXAN. Journal of Physics: Conference Series, 2009, 190, 012145.	0.3	12
74	XAFS studies on copper(I) complexes containing scorpionate ligands. Journal of Physics: Conference Series, 2009, 190, 012146.	0.3	8
75	Structure of Fe/Co/Ni Hexacyanoferrate As Probed by Multiple Edge X-ray Absorption Spectroscopy. Inorganic Chemistry, 2008, 47, 6001-6008.	1.9	42
76	Doped V₂O₅-Based Cathode Materials: Where Does the Doping Metal Go? An X-ray Absorption Spectroscopy Study. Chemistry of Materials, 2007, 19, 5991-6000.	3.2	91
77	Characterization of Solâ˜Gel-Synthesized LiFePO4by Multiple Scattering XAFS. Inorganic Chemistry, 2006, 45, 2750-2757.	1.9	53
78	Intercalation of Iron(III) Hexacyano Complex in a Ni,Al Hydrotalcite-like Compound. Journal of Physical Chemistry B, 2006, 110, 7265-7269.	1.2	35
79	Electrochemical sensors based on electrodes modified with synthetic hydrotalcites. Electrochimica Acta, 2006, 51, 2129-2134.	2.6	38
80	A new approach for the synthesis of K+-free nickel hexacyanoferrate. Journal of Solid State Chemistry, 2006, 179, 3981-3988.	1.4	18
81	Cobalt hexacyanoferrate in PAMAM-doped silica matrix. Electrochimica Acta, 2005, 51, 118-124.	2.6	17
82	Cobalt hexacyanoferrate in PAMAM doped silica matrix. 2. Structural and electronic characterization. Electrochimica Acta, 2005, 51, 511-516.	2.6	21
83	X-Ray Absorption Spectroscopy Study of Cu0.25V2O5 and Zn0.25V2O5 Aerogel-Like Cathodes for Lithium Batteries.. ChemInform, 2004, 35, no.	0.1	0
84	Study on the intercalation of hexacyanoferrate(II) in a Ni, Al based hydrotalcite. Solid State Ionics, 2004, 168, 167-175.	1.3	41
85	X-ray Absorption Spectroscopy Study of Cu0.25V2O5and Zn0.25V2O5Aerogel-Like Cathodes for Lithium Batteries. Journal of Physical Chemistry B, 2004, 108, 3765-3771.	1.2	21
86	AC impedance study of a synthetic hydrotalcite-like compound modified electrode in aqueous solution. Electrochimica Acta, 2003, 48, 1347-1355.	2.6	30
87	Electrochemical characterisation of Ni/Alî—¸X hydrotalcites and their electrocatalytic behaviour. Electrochimica Acta, 2002, 47, 2451-2461.	2.6	73
88	Absorption of polarized X-rays by V2O5-based cathodes for lithium batteries: an application. Electrochimica Acta, 2002, 47, 3163-3169.	2.6	23
89	Nickel hexacyanoferrate membrane as a coated wire cation-selective electrode. Analyst, The, 2001, 126, 2168-2171.	1.7	36
90	Electrochemical and synchrotron XAS studies of lithium intercalation into vanadium pentoxide aerogels and nanocomposites. Journal of Power Sources, 2001, 97-98, 469-472.	4.0	19

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91	Sulfate-selective electrodes based on hydrotalcites. Analytica Chimica Acta, 2001, 439, 265-272.	2.6	62
92	The effect of the 3-trifluoromethyl substituent in polypyrazolylborato complexes on the iron(II) spin state; X-ray diffraction and absorption and MÃ¶ssbauer studies. Inorganica Chimica Acta, 2001, 318, 67-76.	1.2	33
93	Evidence for Reversible Formation of Metallic Cu in Cu[sub 0.1]V[sub 2]O[sub 5] Xerogel Cathodes during Intercalation Cycling of Li[sup +] Ions as Detected by X-Ray Absorption Spectroscopy. Journal of the Electrochemical Society, 2001, 148, A768.	1.3	49
94	X-ray absorption spectroscopy study on the electrochemical reduction of Co((DO)(DOH)pn)Br2. Electrochimica Acta, 2000, 45, 4475-4482.	2.6	11
95	In situ X-ray absorption spectroelectrochemical study of hydroxocobalamin. Journal of Biological Inorganic Chemistry, 2000, 5, 156-166.	1.1	41
96	Evidence of Bilayer Structure in V2O5Xerogel. Inorganic Chemistry, 2000, 39, 1514-1517.	1.9	75
97	Li-Mn-O Aerogels. Electrochemical and Solid-State Letters, 1999, 2, 483.	2.2	33
98	In Situ Xâ€Ray Absorption Spectroscopy Characterization of â€‰Vâ€‰2â€‰Oâ€‰5 Xerogel Cathodes upon Lithium Intercalation. Journal of the Electrochemical Society, 1999, 146, 2387-2392.	1.3	108
99	XAS investigation on polyvalent cation intercalation in V2O5aerogels. Journal of Synchrotron Radiation, 1999, 6, 743-745.	1.0	16
100	X-ray absorption spectroscopy and electrochemistry on biological samples. Journal of Synchrotron Radiation, 1999, 6, 384-386.	1.0	10
101	Hybrid Metal Cyanometallates Electrochemical Charging and Spectrochemical Identity of Heteronuclear Nickel/Cobalt Hexacyanoferrate. Journal of the Electrochemical Society, 1999, 146, 3757-3761.	1.3	45
102	Identification of an Unconventional Zinc Coordination Site in Anhydrous ZnxV2O5Aerogels from X-ray Absorption Spectroscopy. Chemistry of Materials, 1999, 11, 2257-2264.	3.2	32
103	Electrochemical Charging, Countercation Accommodation, and Spectrochemical Identity of Microcrystalline Solid Cobalt Hexacyanoferrate. Journal of Physical Chemistry B, 1998, 102, 1870-1876.	1.2	147
104	Single-energy x-ray absorption detection: a combined electronic and structural local probe for phase transitions in condensed matter. Journal of Physics Condensed Matter, 1998, 10, 235-253.	0.7	41
105	XAS and electrochemical characterization of lithiated high surface area V2O5 aerogels. Solid State Ionics, 1997, 104, 195-204.	1.3	67
106	Evidence of four-body contributions in the EXAFS spectrum of Na2Co[Fe(CN)6]. Chemical Physics Letters, 1997, 275, 108-112.	1.2	68
107	X-ray Absorption Spectroscopic Study of â€œCosta Typeâ€•Organocobalt Coenzyme B12Models. Organometallics, 1996, 15, 3491-3495.	1.1	9
108	X-Ray Absorption Spectroscopy Study of Battery Materials. , 0, , .		2

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109	Sustainable Chromium Encapsulation: Alkali Activation Route. Frontiers in Materials, 0, 9, .	1.2	0