

Mario Berrettoni

List of Publications by Year in descending order

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75
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docs citations

76
times ranked

3015
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	Newly discovered orichalcum ingots from Mediterranean sea: Further investigation. Journal of Archaeological Science: Reports, 2021, 37, 102901.	0.2	1
3	Efficient chemical stabilization of tannery wastewater pollutants in a single step process: Geopolymerization. Sustainable Environment Research, 2021, 31, .	2.1	6
4	Electrochemical performance of manganese hexacyanoferrate cathode material in aqueous Zn-ion battery. Electrochimica Acta, 2021, 400, 139414.	2.6	17
5	Metal Hexacyanoferrate Absorbents for Heavy Metal Removal. Environmental Chemistry for A Sustainable World, 2021, , 171-194.	0.3	1
6	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
7	Synthesis and antibacterial activity of iron-hexacyanocobaltate nanoparticles. Journal of Biological Inorganic Chemistry, 2018, 23, 385-398.	1.1	18
8	Synthesis of yttrium aluminum garnet nanoparticles in confined environment II: Role of the thermal treatment on the composition and microstructural evolution. Journal of Alloys and Compounds, 2017, 719, 264-270.	2.8	11
9	A multivariate approach to the study of orichalcum ingots from the underwater Gela's archaeological site. Microchemical Journal, 2017, 135, 163-170.	2.3	20
10	Deposition and characterization of a CoHCF nanorod array in a templated ormosil film on an electrode and application to electrocatalysis. Journal of Solid State Electrochemistry, 2016, 20, 1323-1329.	1.2	10
11	Synthesis of yttrium aluminum garnet nanoparticles in confined environment, and their characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 82-90.	2.3	3
12	Electron transfer and spin transition in metal-hexacyanoferrates driven by anatase TiO ₂ : electronic and structural order effects. New Journal of Chemistry, 2016, 40, 10406-10411.	1.4	3
13	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
14	Physicochemical characterization of metal hexacyanomethylate@TiO ₂ composite materials. RSC Advances, 2015, 5, 35435-35447.	1.7	21
15	Immobilization of nanobeads on a surface to control the size, shape, and distribution of pores in electrochemically generated sol-gel films. Journal of Solid State Electrochemistry, 2015, 19, 2087-2094.	1.2	4
16	Anatase-driven charge transfer involving a spin transition in cobalt iron cyanide nanostructures. Physical Chemistry Chemical Physics, 2015, 17, 22519-22522.	1.3	16
17	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
18	Electrochemistry of TiO ₂ @iron hexacyanocobaltate composite electrodes. Solid State Ionics, 2014, 259, 53-58.	1.3	8

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19	How solar energy and electrochemical technologies may help developing countries and the environment. <i>Energy Conversion and Management</i> , 2014, 87, 1134-1140.	4.4	17
20	Electrochemical behavior of Inhcf in alkali metal electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2445-2452.	1.2	9
21	Advanced alkaline water electrolysis. <i>Electrochimica Acta</i> , 2012, 82, 384-391.	2.6	430
22	Electrochemical synthesis of nano-cobalt hexacyanoferrate at a sol-gel-coated electrode templated with β -cyclodextrin. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2861-2866.	1.2	10
23	Influence of silanization on voltammetry at electrodes modified with silica films of controlled porosity formed by electrochemically initiated sol-gel processing. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2409-2417.	1.2	10
24	Voltammetric Determination of ITX in Hydro-Alcoholic Solutions and Wine. <i>Analytical Letters</i> , 2011, 44, 2335-2346.	1.0	4
25	Cobalt hexacyanoferrate-poly(methyl methacrylate) composite: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2010, 120, 118-122.	2.0	18
26	Multivariate Curve Resolution Analysis for Interpretation of Dynamic Cu K-Edge X-ray Absorption Spectroscopy Spectra for a Cu Doped V_2O_5 Lithium Battery. <i>Analytical Chemistry</i> , 2010, 82, 3629-3635.	3.2	70
27	Oxidation and flow-injection amperometric determination of 5-hydroxytryptophan at an electrode modified by electrochemically assisted deposition of a sol-gel film with templated nanoscale pores. <i>Talanta</i> , 2010, 82, 1149-1155.	2.9	20
28	Synthesis and Characterization of Nanostructured Cobalt Hexacyanoferrate. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6401-6407.	1.5	57
29	Evidence for a double doping regime in Nd:YAG nanopowders. <i>Journal of Materials Science</i> , 2009, 44, 1572-1579.	1.7	3
30	Structure of Fe/Co/Ni Hexacyanoferrate As Probed by Multiple Edge X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2008, 47, 6001-6008.	1.9	42
31	Doped V_2O_5 -Based Cathode Materials: Where Does the Doping Metal Go? An X-ray Absorption Spectroscopy Study. <i>Chemistry of Materials</i> , 2007, 19, 5991-6000.	3.2	91
32	Characterization of Sol-Gel-Synthesized $LiFePO_4$ by Multiple Scattering XAFS. <i>Inorganic Chemistry</i> , 2006, 45, 2750-2757.	1.9	53
33	Intercalation of Iron(III) Hexacyano Complex in a Ni,Al Hydrotalcite-like Compound. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7265-7269.	1.2	35
34	Electrochemical sensors based on electrodes modified with synthetic hydrotalcites. <i>Electrochimica Acta</i> , 2006, 51, 2129-2134.	2.6	38
35	A new approach for the synthesis of K^+ -free nickel hexacyanoferrate. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3981-3988.	1.4	18
36	Electrochemical characterisation of electrodes modified with a Co/Al hydrotalcite-like compound. <i>Electrochimica Acta</i> , 2005, 50, 3305-3311.	2.6	39

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37	Cobalt hexacyanoferrate in PAMAM-doped silica matrix. <i>Electrochimica Acta</i> , 2005, 51, 118-124.	2.6	17
38	Electrodes modified with an electrosynthesised Ni/Al hydrotalcite as amperometric sensors in flow systems. <i>Analytica Chimica Acta</i> , 2005, 538, 219-224.	2.6	19
39	Cobalt hexacyanoferrate in PAMAM doped silica matrix. 2. Structural and electronic characterization. <i>Electrochimica Acta</i> , 2005, 51, 511-516.	2.6	21
40	Study on the intercalation of hexacyanoferrate(II) in a Ni, Al based hydrotalcite. <i>Solid State Ionics</i> , 2004, 168, 167-175.	1.3	41
41	Electrochemical sensor for indirect detection of bacterial population. <i>Sensors and Actuators B: Chemical</i> , 2004, 102, 331-335.	4.0	15
42	Coupling chemometrics and electrochemical-based sensor for detection of bacterial population. <i>Analytica Chimica Acta</i> , 2004, 509, 95-101.	2.6	14
43	X-ray Absorption Spectroscopy Study of Cu _{0.25} V ₂ O ₅ and Zn _{0.25} V ₂ O ₅ Aerogel-Like Cathodes for Lithium Batteries. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3765-3771.	1.2	21
44	Electrochemical sensor for indirect detection of bacterial population. <i>Sensors and Actuators B: Chemical</i> , 2004, 102, 331-331.	4.0	0
45	Influence of experimental conditions on electrochemical behavior of Prussian blue type nickel hexacyanoferrate film. <i>Electrochimica Acta</i> , 2003, 48, 4261-4269.	2.6	81
46	AC impedance study of a synthetic hydrotalcite-like compound modified electrode in aqueous solution. <i>Electrochimica Acta</i> , 2003, 48, 1347-1355.	2.6	30
47	Electrochemical Study of Mannitol Oxidation at Nickel Oxide Electrode. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1636-1646.	1.0	0
48	Electrochemical characterisation of Ni/Al _x -X hydrotalcites and their electrocatalytic behaviour. <i>Electrochimica Acta</i> , 2002, 47, 2451-2461.	2.6	73
49	Absorption of polarized X-rays by V ₂ O ₅ -based cathodes for lithium batteries: an application. <i>Electrochimica Acta</i> , 2002, 47, 3163-3169.	2.6	23
50	PEO-LiN(SO ₂ CF ₂ CF ₃) ₂ Polymer Electrolytes: I. XRD, DSC, and Ionic Conductivity Characterization. <i>Journal of the Electrochemical Society</i> , 2001, 148, A1171.	1.3	115
51	Nickel hexacyanoferrate membrane as a coated wire cation-selective electrode. <i>Analyst, The</i> , 2001, 126, 2168-2171.	1.7	36
52	Sulfate-selective electrodes based on hydrotalcites. <i>Analytica Chimica Acta</i> , 2001, 439, 265-272.	2.6	62
53	[Ni/Al _x -Cl] ₂ -based hydrotalcite electrodes as amperometric sensors: preparation and electrochemical study. <i>Electrochimica Acta</i> , 2001, 46, 2681-2692.	2.6	35
54	The effect of the 3-trifluoromethyl substituent in polypyrazolylborato complexes on the iron(II) spin state; X-ray diffraction and absorption and Mössbauer studies. <i>Inorganica Chimica Acta</i> , 2001, 318, 67-76.	1.2	33

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55	X-ray absorption spectroscopy study on the electrochemical reduction of Co((DO)(DOH)pn)Br ₂ . <i>Electrochimica Acta</i> , 2000, 45, 4475-4482.	2.6	11
56	Electrochemical preparation and characterization of electrodes modified with mixed hexacyanoferrates of nickel and palladium. <i>Journal of Electroanalytical Chemistry</i> , 2000, 487, 57-65.	1.9	83
57	Nickel site distribution and clustering in synthetic double-chain silicates by experimental and theoretical XANES spectroscopy. <i>Physical Review B</i> , 2000, 62, 5473-5477.	1.1	8
58	Evidence of Bilayer Structure in V ₂ O ₅ Xerogel. <i>Inorganic Chemistry</i> , 2000, 39, 1514-1517.	1.9	75
59	Hybrid Metal Cyanometallates Electrochemical Charging and Spectrochemical Identity of Heteronuclear Nickel/Cobalt Hexacyanoferrate. <i>Journal of the Electrochemical Society</i> , 1999, 146, 3757-3761.	1.3	45
60	Identification of an Unconventional Zinc Coordination Site in Anhydrous Zn _x V ₂ O ₅ Aerogels from X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 1999, 11, 2257-2264.	3.2	32
61	Spectroelectrochemical characterization of cobalt hexacyanoferrate films in potassium salt electrolyte. <i>Electrochimica Acta</i> , 1998, 43, 919-923.	2.6	61
62	Electrochemical Charging, Countercation Accommodation, and Spectrochemical Identity of Microcrystalline Solid Cobalt Hexacyanoferrate. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1870-1876.	1.2	147
63	Spectroelectrochemical identity of Prussian blue films in various electrolytes: comparison of time-derivative voltabsorptometric responses with conventional cyclic voltammetry. <i>Journal of Solid State Electrochemistry</i> , 1997, 1, 88-93.	1.2	44
64	Evidence of four-body contributions in the EXAFS spectrum of Na ₂ Co[Fe(CN) ₆]. <i>Chemical Physics Letters</i> , 1997, 275, 108-112.	1.2	68
65	X-ray Absorption Spectroscopic Study of α -Costa Type α -Organocobalt Coenzyme B ₁₂ Models. <i>Organometallics</i> , 1996, 15, 3491-3495.	1.1	9
66	Preparation, spectroscopic characterization and electrochemical charging of the sodium-containing analogue of Prussian Blue. <i>Electrochimica Acta</i> , 1995, 40, 681-688.	2.6	30
67	Electrochemical, spectroelectrochemical and X-ray absorption spectroscopic study of some iron(II) and iron(III) polypyrazolylborato complexes. <i>Polyhedron</i> , 1995, 14, 1929-1935.	1.0	17
68	Electrolyte-cation-dependent coloring, electrochromism and thermochromism of cobalt(II) hexacyanoferrate(III, II) films. <i>Journal of Electroanalytical Chemistry</i> , 1995, 397, 287-292.	1.9	102
69	Electroconductivity of amorphous carbon films containing silicon and tungsten. <i>Diamond and Related Materials</i> , 1995, 4, 488-491.	1.8	21
70	Microstructural defects in nanocrystalline iron probed by x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1994, 50, 12386-12397.	1.1	70
71	X-ray absorption multiple-scattering study of angle distribution in high-T _c superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 176, 375-381.	0.9	13
72	Electrochemical, ZAS and FTIR study of lithium intercalation in Na _{1+x} V ₃ O ₈ . <i>Solid State Ionics</i> , 1993, 67, 77-83.	1.3	20

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73	Study of amorphous and crystalline $\text{Li}_{1+x}\text{V}_3\text{O}_8$ by FTIR, XAS and electrochemical techniques. Solid State Ionics, 1992, 57, 227-234.	1.3	57
74	Square-wave anodic stripping voltammetry with a mercury-plated reticulated vitreous carbon electrode. Analytica Chimica Acta, 1989, 219, 153-159.	2.6	10
75	Sustainable Chromium Encapsulation: Alkali Activation Route. Frontiers in Materials, 0, 9, .	1.2	0