

Edilso Reguera

List of Publications by Year in descending order

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236
papers

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docs citations

240
times ranked

6134
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in transition metal hexacyanometallates: From structure to properties and functionality. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214274.	9.5	28
2	Optical bandgap of Cd, Zn, and Ag nitroprussides. A combined experimental and computational study. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 163, 110608.	1.9	6
3	Microporous prussian blue analogs and their application for environmental remediation: A deeper look from the structure-property-functionality perspective. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111755.	2.2	5
4	Thermally-induced spin transition in Fe(4,4'-Azopyridine)[Fe(CN)5NO]. <i>Journal of Solid State Chemistry</i> , 2022, 310, 123054.	1.4	12
5	Nature of the observed $\hat{1}/2(\text{NO})$ band shift and splitting during the 3D to 2D structural change in transition metal nitroprussides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121210.	2.0	5
6	Thermally induced spin-crossover in the Fe(3-ethynylpyridine) ₂ [M(CN) ₄] series with M = Ni, Pd, and Pt. The role of the electron density found at the CN 5f orbital. <i>New Journal of Chemistry</i> , 2022, 46, 9618-9628.	1.4	8
7	XPS as a probe for the bonding nature in metal acetates. <i>New Journal of Chemistry</i> , 2022, 46, 11255-11265.	1.4	7
8	Photochemistry of Metal Nitroprussides: State-of-the-Art and Perspectives. <i>Photochem</i> , 2022, 2, 390-404.	1.3	2
9	Fe[4-(3-Phenylpropyl)Pyridine] ₂ [Fe(CN)5NO]: A 2D Coordination Polymer with Thermally-Induced Spin Transition and Nature of Its Asymmetric Hysteresis Loop. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3677-3690.	1.9	5
10	Tunable Control of the Structural Features and Related Physical Properties of Mn ₃ Fe ₃ O ₄ Nanoparticles: Implication on Their Heating Performance by Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10110-10128.	1.5	8
11	2022 Roadmap on aqueous batteries. <i>JPhys Energy</i> , 2022, 4, 041501.	2.3	8
12	A theoretical and experimental approach to the optical response and the electronic structure of Hg ¹⁺ and Hg ²⁺ nitroprussides. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123380.	1.4	3
13	Canted ferrimagnetism in the distorted double perovskite La ₃ Mn ₂ NbO ₉ . <i>Journal of Alloys and Compounds</i> , 2021, 854, 157018.	2.8	0
14	Magnetic Prussian Blue derivative like absorbent cages for an efficient thallium removal. <i>Journal of Cleaner Production</i> , 2021, 283, 124587.	4.6	25
15	Understanding the interaction between heteroatom-doped carbon matrix and Sb ₂ S ₃ for efficient sodium-ion battery anodes. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 649-659.	5.0	27
16	A new model for gas adsorption isotherm at high pressures. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6613-6622.	3.8	6
17	Incorporation of heteroatoms into reticulated vitreous carbon foams derived from sucrose to improve its energy storage performance. <i>International Journal of Energy Research</i> , 2021, 45, 6383-6394.	2.2	6
18	Thermally induced spin transition in Fe(pyrazine)[Fe(CN)5NO]. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109843.	1.9	14

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19	Unraveling amazing structural features of a highly efficient α -oxo-Co/phosphate catalyst for water oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119549.	10.8	6
20	2D ferrous nitroprussides stabilized through organic molecules as pillars: preparation, crystal structure and related properties. <i>Journal of Coordination Chemistry</i> , 2021, 74, 695-713.	0.8	5
21	Boosting the photocatalytic hydrogen production of TiO ₂ by using copper hexacyanocobaltate as co-catalyst. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10312-10323.	3.8	16
22	Carbon quantum dots by submerged arc discharge in water: Synthesis, characterization, and mechanism of formation. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	62
23	Transition metal nitroprussides: Crystal and electronic structure, and related properties. <i>Coordination Chemistry Reviews</i> , 2021, 434, 213764.	9.5	35
24	Effect of water and light on the stability of transition metal nitroprussides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 412, 113244.	2.0	8
25	Pseudocapacitive Mn-Co mixed oxides obtained by thermal decomposition of manganese hexacyanocobaltate in presence of carbon structures. <i>Electrochimica Acta</i> , 2021, 380, 138218.	2.6	7
26	New Understanding on an Old Compound: Insights on the Origin of Chain Sequence Defects and Their Impact on the Electronic Structure of AuCN. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3742-3751.	1.0	1
27	Rodlike Particles of Polydopamine-CdTe Quantum Dots: An Actuator As a Photothermal Agent and Reactive Oxygen Species-Generating Nanoplatform for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42357-42369.	4.0	7
28	Thermally Induced Spin Crossover in Fe _{1-x} T _x (pyrazine)[Fe(CN) ₅ NO] with T=Co, Ni Effects of Iron Atom Dilution. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3969-3980.	1.0	8
29	Enhancing the photocatalytic hydrogen production of the ZnO/TiO ₂ heterojunction by supporting nanoscale Au islands. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34333-34343.	3.8	25
30	Unraveling the Fe ₃ O ₄ NPs role in self-assembled magnetic zinc oxide nanorods for methylene blue photodegradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 421, 113514.	2.0	8
31	On the CN ⁺ K coordination modes in K _n [M ⁶ⁿ (CN) ₆] ₂ H ₂ O: first evidence of CN ⁺ K electron-deficient bonding. <i>Dalton Transactions</i> , 2021, 50, 2510-2520.	1.6	1
32	Stabilization Methods in the Submerged Arc Discharge Synthesis of Carbon Nanostructures. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-12.	1.5	7
33	Thermal induced spin transition in a series of iron(II) layered inorganic-organic solids. Role of the intermolecular interactions in the interlayer region. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121070.	1.4	8
34	Charge Redistribution Effects in Hexacyanometallates Evaluated from XPS Data. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 137-145.	1.0	25
35	High proton conductivity at low and moderate temperature in a simple family of Prussian blue analogs, divalent transition metal hexacyanocobaltates (III). <i>Electrochimica Acta</i> , 2020, 360, 136959.	2.6	10
36	Potassium-ion aqueous supercapattery composed by solar carbon and nickel-zinc prussian blue analogue. <i>Journal of Energy Storage</i> , 2020, 31, 101667.	3.9	17

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37	Sucrose-based reticulated vitreous carbon foams and their modification with nickel hexacyanoferrate for energy storage applications. <i>Diamond and Related Materials</i> , 2020, 109, 108084.	1.8	14
38	Cu ^I Cu ^{II} and Ag ^I -isocyanobenzoates as novel 1D semiconducting coordination oligomers. <i>Dalton Transactions</i> , 2020, 49, 12432-12440.	1.6	1
39	Intercalation of 3X-pyridine with X = F, Cl, Br, I, in 2D ferrous nitroprusside. Thermal induced spin transition in Fe(3F-pyridine) ₂ [Fe(CN) ₅ NO]. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121293.	1.4	19
40	From 2D to 3D solids: stacking of transition metal nitroprusside layers through intermolecular physical interactions. <i>Journal of Coordination Chemistry</i> , 2020, 73, 347-359.	0.8	6
41	Thermally induced spin crossover in Fe(PyrDer) ₂ [Fe(CN) ₅ NO] with PyrDer = 4-substituted pyridine derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 5937-5946.	1.4	18
42	Degradation study of arsenic oxides under XPS measurements. <i>Applied Surface Science</i> , 2020, 511, 145606.	3.1	52
43	Fast kinetic redox process in layered cobaltous terephthalate MOF-type for aqueous hybrid devices. Magnetic properties as sensor of Co ^{II} -Co interactions. <i>Electrochimica Acta</i> , 2020, 346, 136253.	2.6	7
44	Surface acid-base properties of Cu-BTC and Fe-BTC MOFs. An inverse gas chromatography and n-butylamine thermo desorption study. <i>Inorganica Chimica Acta</i> , 2020, 507, 119590.	1.2	9
45	Hydrothermal Recrystallization as a Strategy to Reveal the Structural Diversity in Hexacyanometallates: Nickel and Copper Hexacyanoosmates(II). <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1763-1774.	1.0	5
46	Fabrication of ball-milled MgO/Mg(OH) ₂ -hydromagnesite composites and evaluation as an air-stable hydrogen storage material. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12949-12960.	3.8	16
47	In Situ Aniline-Polymerized Interfaces on GO/PVA Nanoplatfoms as Bifunctional Supercapacitors and pH-Universal ORR Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 4727-4737.	2.5	13
48	Preparation of Amine- and Disulfide-Containing PAMAM-Based Dendrons for the Functionalization of Hydroxylated Surfaces: XPS as Structural Sensor. <i>ChemistrySelect</i> , 2020, 5, 4875-4884.	0.7	20
49	Photoelectrochemical Performance of S,N-Codoped TiO ₂ Films Supported on Ti and their Enhanced Photoelectrocatalytic Activity in the Generation of Hydroxyl Radicals. <i>Journal of the Electrochemical Society</i> , 2020, 167, 166514.	1.3	2
50	Flower-like Mn-Doped Magnetic Nanoparticles Functionalized with Î± ₂ -Integrin-Ligand to Efficiently Induce Intracellular Heat after Alternating Magnetic Field Exposition, Triggering Glioma Cell Death. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26648-26663.	4.0	52
51	Thermally Induced Spin Transition in a 2D Ferrous Nitroprusside. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4966-4973.	1.0	18
52	New Cubic Phases for T ₂ M[CN] ₆ · x H ₂ O with T = Ni, Cu and M = Ru, Os: Improving the Robustness and Modulating the Electron Density at the Cavity Surfaces. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3023-3032.	1.0	6
53	From 3D to 2D Transition Metal Nitroprussides by Selective Rupture of Axial Bonds. <i>Chemistry - A European Journal</i> , 2019, 25, 11327-11336.	1.7	22
54	Breaking Out the Traditional Polymerization: Tailoring the Shape, Structure, and Optical Properties of Polydopamine by Using CdTe Quantum Dots. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900109.	1.1	4

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55	Structural information contained in the XPS spectra of nd10 metal cyanides. Journal of Solid State Chemistry, 2019, 276, 339-344.	1.4	26
56	Biomedical applications of magnetite nanoparticles. , 2019, , 397-434.		9
57	Contribution to the coordination chemistry of transition metal nitroprussides: a cryo-XPS study. New Journal of Chemistry, 2019, 43, 4835-4848.	1.4	62
58	On the Scope of XPS as Sensor in Coordination Chemistry of Transition Metal Hexacyanometallates. European Journal of Inorganic Chemistry, 2019, 2019, 1724-1732.	1.0	26
59	Intercalation of pyrazine in layered copper nitroprusside: Synthesis, crystal structure and XPS study. Journal of Solid State Chemistry, 2019, 273, 1-10.	1.4	42
60	Thermally Induced Spin Transition in a 2D Ferrous Nitroprusside. European Journal of Inorganic Chemistry, 2019, 2019, 4950-4950.	1.0	0
61	Relevant electronic interactions related to the coordination chemistry of tetracyanometallates. An XPS study. New Journal of Chemistry, 2019, 43, 18384-18393.	1.4	25
62	Multiparametric diagnostic in the synthesis of carbon nanostructures via submerged arc discharge: Stability, nucleation and yield. Journal of Applied Physics, 2019, 126, .	1.1	6
63	Magnetic interaction in a 2D solid through hydrogen bonds and π - π stacking. Journal of Magnetism and Magnetic Materials, 2019, 471, 70-76.	1.0	18
64	Magnetic detergent with potential application for diesel spills removal from seawater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 561, 120-127.	2.3	13
65	Dendrimer-Based Hybrid Nanomaterials for Water Remediation: Adsorption of Inorganic Contaminants. , 2019, , 279-298.		2
66	Implications of structural differences between Cu-BTC and Fe-BTC on their hydrogen storage capacity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 138-146.	2.3	53
67	Unusually Strong Dipole-Dipole and Dipole-Quadrupole Interactions in a Nanoporous Solid. Crystal Structure and Related Properties of $(VO)_3[M(CN)_6]_2 \cdot nH_2O$ ($M = Fe$) $Tj ETQq1 1 0.784314 rg$	0.6	1
68	Influence of cobalt on electrocatalytic water splitting in NiCoFe layered double hydroxides. Journal of Materials Science, 2018, 53, 4515-4526.	1.7	27
69	Hydrothermal recrystallization of transition metal nitroprussides. Formation of the most stable phases. Journal of Solid State Chemistry, 2018, 258, 566-572.	1.4	7
70	New coordination polymers based on 2-methylimidazole and transition metal nitroprusside containing building blocks: synthesis, structure and magnetic properties. New Journal of Chemistry, 2018, 42, 1347-1355.	1.4	26
71	Synthesis and Characterization of Nitrogen-Doped Ordered Mesoporous Hollow Carbon Spheres for the ORR. ECS Transactions, 2018, 86, 595-602.	0.3	2
72	Development of Sn@Pt Core-Shell Nanostructures Supported on Vulcan and N-Doped Graphene as Nanocatalysts for the Ethylene Glycol Oxidation Reaction. ECS Transactions, 2018, 86, 575-584.	0.3	0

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73	Electrochemical immunoassay for the detection of IgM antibodies using polydopamine particles loaded with PbS quantum dots as labels. <i>Biosensors and Bioelectronics</i> , 2018, 116, 30-36.	5.3	26
74	Enhancement of Stability by Positive Disruptive Effect on Mn ²⁺ /Fe Charge Transfer in Vacancy-Free Mn ²⁺ /Co Hexacyanoferrate Through a Charge/Discharge Process in Aqueous Na-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20602-20610.	1.5	28
75	Magnetic paper μ -based ELISA for IgM-dengue detection. <i>RSC Advances</i> , 2017, 7, 4921-4932.	1.7	42
76	Lead removal from aqueous solution by basaltic scoria: adsorption equilibrium and kinetics. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1181-1196.	1.8	10
77	Synthesis, Crystal Structures, and Properties of Zeolite-Like $T_3(H_3O)_2[M(CN)_6]_2 \cdot xH_2O$ (T = Co, Zn; M = Ru, Os). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2980-2989.		13
78	Influence on the Electrocatalytic Water Oxidation of M ²⁺ /M ³⁺ Cation Arrangement in NiFe LDH: Experimental and Theoretical DFT Evidences. <i>Electrocatalysis</i> , 2017, 8, 383-391.	1.5	15
79	On the state of Mn in Mn _x Zn _{1-x} O nanoparticles and their surface modification with isonipecotic acid. <i>Journal of Solid State Chemistry</i> , 2017, 247, 43-52.	1.4	7
80	Water effect on sodium mobility in zinc hexacyanoferrate during charge/discharge processes in sodium ion-based battery. <i>Solid State Ionics</i> , 2017, 312, 67-72.	1.3	23
81	Effect of Co-Doping on the Structural, Electronic and Magnetic Properties of Co _x Zn _{1-x} O Nanoparticles. <i>Materials Focus</i> , 2017, 6, 371-381.	0.4	2
82	4-Piperidinecarboxylic Acid-Functionalized Ni _x Zn _{1-x} O Nanoparticles: Structural, Electronic and Optical Properties. <i>Materials Focus</i> , 2017, 6, 641-651.	0.4	0
83	The intrinsic antimicrobial activity of citric acid-coated manganese ferrite nanoparticles is enhanced after conjugation with the antifungal peptide Cm-p5. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3849-3857.	3.3	24
84	Separation of H ₂ CO ₂ and CH ₄ CO ₂ binary mixtures by zeolite-like imidazolate frameworks. <i>Surfaces and Interfaces</i> , 2016, 5, 55-61.	1.5	2
85	Layered vanadyl (IV) nitroprusside: Magnetic interaction through a network of hydrogen bonds. <i>Journal of Solid State Chemistry</i> , 2016, 239, 159-164.	1.4	10
86	Immobilization of dengue specific IgM antibodies on magnetite nanoparticles by using facile conjugation strategies. <i>RSC Advances</i> , 2016, 6, 98457-98465.	1.7	10
87	On the bromination of aromatics, alkenes and alkynes using alkylammonium bromide: Towards the mimic of bromoperoxidases reactivity. <i>Tetrahedron Letters</i> , 2016, 57, 5644-5648.	0.7	24
88	Materials for aqueous sodium-ion batteries: cation mobility in a zinc hexacyanoferrate electrode. <i>RSC Advances</i> , 2016, 6, 108627-108634.	1.7	29
89	Layered Transition Metal Nitroprussides μ - Their Preparation, Crystal Structure, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1690-1696.	1.0	12
90	Tuning the adsorption potential. Separation of aromatic hydrocarbons by cobalt and zinc zeolitic imidazolate frameworks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 50-55.	2.3	8

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91	Synthesis of a novel poly-thiolated magnetic nano-platform for heavy metal adsorption. Role of thiol and carboxyl functions. <i>Applied Surface Science</i> , 2016, 386, 160-177.	3.1	35
92	3-mercaptopropionic acid surface modification of Cu-doped ZnO nanoparticles: Their properties and peroxidase conjugation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 489, 351-359.	2.3	28
93	Dinuclear and polymeric Hg(II) complexes with 1-(2-furoyl)thiourea derivatives: Their crystal structure and related properties. <i>Polyhedron</i> , 2015, 97, 148-156.	1.0	13
94	Silver nitroprusside: Atypical coordination within the metal nitroprussides series. <i>Inorganica Chimica Acta</i> , 2015, 428, 51-56.	1.2	28
95	Two 1-(2-Furoyl)-3-phenylthiourea Derivatives: Synthesis, Characterization and Structural Study from X-ray Powder Diffraction Using Simulated Annealing. <i>Journal of Chemical Crystallography</i> , 2015, 45, 51-60.	0.5	6
96	Mercury(II) nitroprusside: A framework with an unusual topology. <i>Journal of Solid State Chemistry</i> , 2015, 225, 315-320.	1.4	10
97	Intercalation of organic molecules in 2D copper (II) nitroprusside: Intermolecular interactions and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2015, 230, 374-380.	1.4	10
98	Cu-BTC and Fe-BTC metal-organic frameworks: Role of the materials structural features on their performance for volatile hydrocarbons separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 351-357.	2.3	31
99	Effect of thickness in hematite films produced by spray pyrolysis towards water photo-oxidation in neutral media. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5831-5836.	3.8	23
100	Intercalation of thiazole in layered solids. A 3D framework supported in dipolar and quadrupolar intermolecular interactions. <i>Polyhedron</i> , 2015, 95, 75-80.	1.0	6
101	Quantum chemical studies on molecular structure, spectroscopic (IR, Raman, UV-Vis), NBO and HOMO-LUMO analysis of 1-benzyl-3-(2-furoyl) thiourea. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 553-562.	2.0	45
102	Copper Dimer With Acetate-2-Ethylimidazole as Ligands. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 342-345.	0.6	5
103	Mercury (I) nitroprusside: A 2D structure supported on homometallic interactions. <i>Journal of Solid State Chemistry</i> , 2015, 221, 79-84.	1.4	15
104	Development of a Selective Low Cost Absorbing Surface based on Soot for Solar Thermal Applications. <i>Energy Procedia</i> , 2014, 57, 1565-1572.	1.8	8
105	Sorption of Gold by Naked and Thiol-Capped Magnetite Nanoparticles: An XPS Approach. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2776-2791.	1.5	75
106	Mixed (Fe ²⁺ and Cu ²⁺) double metal hexacyanocobaltates as solid catalyst for the aerobic oxidation of oximes to carbonyl compounds. <i>Journal of Catalysis</i> , 2014, 311, 386-392.	3.1	46
107	Preparation of Cu-mordenite by ionic exchange reaction under milling: A favorable route to form the mono-(1/4-oxo) dicopper active species. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 113-120.	2.2	32
108	Hydrogen storage in activated carbons produced from coals of different ranks: Effect of oxygen content. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4996-5002.	3.8	54

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109	Surface Acid-Base Properties of Porous Prussian Blue Analogues. <i>Journal of Surfaces and Interfaces of Materials</i> , 2014, 2, 220-226.	0.5	2
110	One Step Chemical Synthesis of Ag-Fe ₃ O ₄ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4606-4609.	1.2	2
111	π-π Interactions and magnetic properties in a series of hybrid inorganic-organic crystals. <i>Journal of Solid State Chemistry</i> , 2013, 197, 317-322.	1.4	27
112	1-Methyl-2-Pyrrolidone: From Exfoliating Solvent to a Paramagnetic Ligand. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2400-2407.	1.1	20
113	Kinetic and thermodynamic studies of hydrogen adsorption on titanate nanotubes decorated with a Prussian blue analogue. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6406-6416.	3.8	7
114	Intermolecular interactions between imidazole derivatives intercalated in layered solids. Substituent group effect. <i>Journal of Solid State Chemistry</i> , 2013, 204, 128-135.	1.4	20
115	Dehydration Process of Hofmann-Type Layered Solids. <i>Materials</i> , 2013, 6, 1452-1466.	1.3	15
116	Magnetic Nanoparticles: New Players in Antimicrobial Peptide Therapeutics.. <i>Current Protein and Peptide Science</i> , 2013, 14, 595-606.	0.7	17
117	Easy Preparative Route for ZnO Nanoparticles Using Tetrabutylammonium Bromide Assisted Ultrasonic Irradiation. <i>Materials Focus</i> , 2013, 2, 438-442.	0.4	11
118	Three structural modifications in the series of layered solids T(H ₂ O) ₂ [Ni(CN) ₄]·xH ₂ O with T = Mn, Co, Ni: Their nature and crystal structures. <i>Comptes Rendus Chimie</i> , 2012, 15, 350-355.	0.2	31
119	Cation mobility in a series of zeolite-like coordination polymers. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 326-333.	2.2	10
120	Sorption of hydrogen onto titanate nanotubes decorated with a nanostructured Cd ₃ [Fe(CN) ₆] ₂ Prussian Blue analogue. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 318-326.	3.8	17
121	Lead hexacyanoferrate(II) tetrahydrate: Crystal structure, FTIR spectroscopy and thermal decomposition studies. <i>Polyhedron</i> , 2012, 33, 450-455.	1.0	18
122	Mercaptopropionic Acid Capped CdS@ZnS Nanocomposites: Interface Structure and Related Optical Properties. <i>Science of Advanced Materials</i> , 2012, 4, 771-779.	0.1	5
123	Synthesis and Thermal Behavior of Metallic Cobalt Micro and Nanostructures. <i>Nano-Micro Letters</i> , 2011, 3, 12-19.	14.4	28
124	Conjugation of manganese ferrite nanoparticles to an anti Sticholysin monoclonal antibody and conjugate applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 387, 118-124.	2.3	28
125	On the application of standard isotherms to hydrogen adsorption in microporous materials. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 14464-14476.	3.8	9
126	Adsorption and separation of propane and propylene by porous hexacyanometallates. <i>Applied Surface Science</i> , 2011, 257, 2461-2466.	3.1	17

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127	Cation mobility and structural changes on the water removal in zeolite-like zinc hexacyanometallates (II). <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 988-993.	1.9	11
128	Synthesis and characterization of $T[Ni(CN)_4]_x \cdot 2pyz$ with $T=Fe, Ni$; $pyz=pyrazine$: Formation of $T \leftrightarrow pyz \leftrightarrow Ni$ bridges. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2124-2130.	1.4	12
129	Structural features of 1-furoylthioureas 3-monosubstituted and 3,3-disubstituted: coordination to cadmium and analytical applications. <i>Journal of Sulfur Chemistry</i> , 2011, 32, 213-222.	1.0	19
130	On the Low Stability of Molecular Magnets Based on Transition Metal Hexacyanochromates (III). <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 807-826.	1.4	0
131	Tunable Colors in Opals and Inverse Opal Photonic Crystals. <i>Advanced Functional Materials</i> , 2010, 20, 2565-2578.	7.8	504
132	Gold nanoparticles conjugated to benzoylmercaptoacetyltriglycine and l-cysteine methylester. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 161-167.	5.0	4
133	Low temperature structural transformation in $T[Ni(CN)_4]_x \cdot pyz$ with $x=1,2$; $T=Mn,Co,Ni,Zn,Cd$; $pyz=pyrazine$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 105-113.	1.4	23
134	Hydrogen storage in the iron series of porous Prussian blue analogues. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10381-10386.	3.8	35
135	High density hydrogen storage in nanocavities: Role of the electrostatic interaction. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12864-12869.	3.8	15
136	Removal of Reactive Black 5 from aqueous solution by ozone for water reuse in textile dyeing processes. <i>Desalination</i> , 2010, 258, 154-158.	4.0	83
137	Methane Storage in Prussian Blue Analogues and Related Porous Solids: Nature of the Involved Adsorption Forces. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2574-2578.	0.6	10
138	Hydrogen Storage in Prussian Blue Analogues: H_2 Interaction with the Metal Found at the Cavity Surface. <i>Energy & Fuels</i> , 2010, 24, 581-589.	2.5	46
139	Colloidal Photonic Crystal Pigments with Low Angle Dependence. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3257-3262.	4.0	133
140	Structure of Porous Copper Prussian Blue Analogues: Nature of Their High H_2 Storage Capacity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5043-5048.	1.5	46
141	Lattice Gas Model for H_2 Adsorption in Nanoporous Zinc Hexacyanometallates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9322-9327.	1.5	8
142	Separation of Oxygen and Nitrogen by Porous Cyanometallates. <i>Separation Science and Technology</i> , 2010, 45, 692-699.	1.3	12
143	Synthesis, characterization, and single crystal X-ray structure of the 1-furoyl-3-cyclohexylthiourea cadmium chloride complex, $Cd[C_4H_3OC(O)NHC(S)NHC_6H_{11}]_4Cl_2$. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2804-2813.	0.8	20
144	Nature of the Observed Asymmetry in Mössbauer Spectra of Iron (2+) Hexacyanometallates (III). <i>Zeitschrift Fur Physikalische Chemie</i> , 2009, 223, 701-711.	1.4	12

#	ARTICLE	IF	CITATIONS
145	Tetrahedral coordination for Zn in hexacyanometallates: Structures of $Zn_3A_2[M(CN)_6]_2 \cdot xH_2O$ with $A=K, Rb, Cs$ and $M=Ru, Os$. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 477-482.	1.9	13
146	Stabilization of cubic and rhombohedral phases of zinc hexacyanocobaltate (III). <i>Microporous and Mesoporous Materials</i> , 2009, 120, 414-420.	2.2	37
147	Materials for Hydrogen Storage in Nanocavities: Design criteria. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9163-9167.	3.8	32
148	Unique coordination of pyrazine in $T[Ni(CN)_4] \cdot 2pyz$ with $T=Mn, Zn, Cd$. <i>Journal of Solid State Chemistry</i> , 2009, 182, 757-766.	1.4	16
149	Controlled Growth of CdS Quantum Dots. <i>Science of Advanced Materials</i> , 2009, 1, 69-76.	0.1	1
150	Mixed valences system in cobalt iron cyanide. Microporous structure stability. <i>Journal of Porous Materials</i> , 2008, 15, 719-729.	1.3	6
151	Solid state multinuclear NMR study of iron species in natural and modified clinoptilolite from Tasajera deposit (Cuba). <i>Microporous and Mesoporous Materials</i> , 2008, 111, 577-590.	2.2	19
152	Porous framework of $T_2[Fe(CN)_6] \cdot xH_2O$ with $T=Co, Ni, Cu, Zn$, and H_2 storage. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2899-2907.	1.4	80
153	Hydrogen Storage in Copper Prussian Blue Analogues: Evidence of H_2 Coordination to the Copper Atom. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15893-15899.	1.5	66
154	Hydrogen Storage in Zeolite-Like Hexacyanometallates: Role of the Building Block. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17443-17449.	1.5	34
155	Instantaneous Synthesis of Stable Zerovalent Metal Nanoparticles under Standard Reaction Conditions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14427-14434.	1.2	34
156	Hydrogen Storage in Porous Transition Metals Nitroprussides. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10490-10501.	1.5	58
157	Hydrogen Storage in Porous Cyanometallates: Role of the Exchangeable Alkali Metal. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5589-5597.	1.5	48
158	Heat Induced Charge Transfer in the Solid Solution $Co_xT_x[Fe(CN)_6]_2 \cdot yH_2O$ with $T = Mn, Ni, Cu, Zn$ and Cd . <i>Zeitschrift Fur Physikalische Chemie</i> , 2008, 222, 1661-1678.	1.4	1
159	1-(2-Furoyl)-3-(1-naphthyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1068-o1068.	0.2	9
160	Magnetic interaction between manganese (2+) atoms through aquo bridges and bifurcated cyano groups. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 056202.	0.7	8
161	Bifurcated CN Group in Hexacyanometallates, the Case of $Cd_2[Fe(CN)_6]$. Structure Determination from a Combination of RDF and Direct Methods. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007, 221, 1049-1060.	1.4	3
162	Crystal structures of hexacyanometallates with bifurcated cyano groups. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6076-6082.	1.3	18

#	ARTICLE	IF	CITATIONS
163	Crystal structures of three anhydrous nitroprussides: $M[Fe(CN)_5NO]$ ($M=Mn, Zn, Cd$). Powder Diffraction, 2007, 22, 40-46.	0.4	9
164	^{129}Xe NMR Spectroscopy Study of Porous Cyanometallates. Langmuir, 2007, 23, 5752-5756.	1.6	17
165	Crystal structures of cubic nitroprussides: $M[Fe(CN)_5NO] \cdot xH_2O$ ($M=Fe, Co, Ni$). Obtaining structural information from the background. Powder Diffraction, 2007, 22, 27-34.	0.4	19
166	Calcium carbonate scale inhibition using the "allotropic cell" device. Desalination, 2007, 217, 85-92.	4.0	7
167	Porous hexacyanocobaltates(III): Role of the metal on the framework properties. Microporous and Mesoporous Materials, 2007, 103, 57-71.	2.2	68
168	Mixed valence states in cobalt iron cyanide. Journal of Physics and Chemistry of Solids, 2007, 68, 290-298.	1.9	23
169	An atypical coordination in hexacyanometallates: Structure and properties of hexagonal zinc phases. Journal of Physics and Chemistry of Solids, 2007, 68, 1630-1642.	1.9	91
170	On the complex formation of $CdCl_2$ with 1-furoylthioureas: Preconcentration and voltammetric behavior of $Cd(II)$ at carbon paste electrodes modified with 3-monosubstituted and 3,3-disubstituted derivatives. Sensors and Actuators B: Chemical, 2007, 120, 766-772.	4.0	20
171	Evaluation of carbon paste electrodes modified with 1-furoylthioureas for the analysis of cadmium by differential pulse anodic stripping voltammetry. Sensors and Actuators B: Chemical, 2007, 123, 488-494.	4.0	28
172	Thermal-Induced Changes in Molecular Magnets Based on Prussian Blue Analogues. Journal of Physical Chemistry B, 2006, 110, 7296-7303.	1.2	87
173	On a Probable Catalytic Interaction between Magnetite (Fe_3O_4) and Petroleum. Energy & Fuels, 2006, 20, 1281-1286.	2.5	11
174	Unique Coordination of Copper in Hexacyanometallates. Zeitschrift Fur Physikalische Chemie, 2006, 220, 1609-1619.	1.4	28
175	Behavior of transition metals ferricyanides as microporous materials. Microporous and Mesoporous Materials, 2006, 96, 222-236.	2.2	57
176	Characterization of mechanochemically synthesized imidazolates of Ag^{+1} , Zn^{+2} , Cd^{+2} , and Hg^{+2} : Solid state reactivity of nd_{10} cations. Journal of Physics and Chemistry of Solids, 2006, 67, 1612-1617.	1.9	45
177	Heat-induced charge transfer in cobalt iron cyanide. Journal of Physics and Chemistry of Solids, 2006, 67, 2289-2299.	1.9	19
178	Novel $CdCl_2$ and $HgCl_2$ complexes with 3-monosubstituted and 3,3-disubstituted 1-furoylthioureas: IR and Raman spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 961-971.	2.0	33
179	Thermal evolution of microporous nitroprussides on their dehydration process. Journal of Thermal Analysis and Calorimetry, 2006, 86, 371-377.	2.0	11
180	Modification of the magnetic properties in molecular magnets based on Prussian blue analogues through adsorbed species. Journal of Physics Condensed Matter, 2006, 18, 11243-11254.	0.7	29

#	ARTICLE	IF	CITATIONS
181	Crystal structure of orthorhombic ferrous nitroprusside: Fe[Fe(CN)5NO].2H2O. Powder Diffraction, 2005, 20, 27-32.	0.4	2
182	Corrosion of copper in seawater and its aerosols in a tropical island. Corrosion Science, 2005, 47, 461-484.	3.0	177
183	Mechanochemical Reaction Between the Probe and the Matrix: A Possible Source of Errors When IR Spectra of Alkali Acid Bifluorides Are Recorded in Alkali Halide Pressed Disks. Spectroscopy Letters, 2004, 37, 191-199.	0.5	5
184	On the crystal structures of some nickel hexacyanoferrates (II,III). Powder Diffraction, 2004, 19, 284-291.	0.4	16
185	Complex Formation of Ferric Protoporphyrin IX From the Reaction of Hemin with Ammonia and Small Aliphatic Amines. Transition Metal Chemistry, 2004, 29, 451-456.	0.7	2
186	The condensation of furfural with urea. Industrial Crops and Products, 2004, 19, 99-106.	2.5	29
187	Determination of the Thermal Diffusivity of Calcium Salts of Saturated Carboxylic Acids. International Journal of Thermophysics, 2004, 25, 511-517.	1.0	2
188	Behavior of Microporous Nitroprussides in Presence of Ammonia. Journal of Porous Materials, 2004, 11, 219-228.	1.3	10
189	Unique coordination in metal nitroprussides: The structure of Cu[Fe(CN)5NO]·2H2O and Cu[Fe(CN)5NO]. Journal of Chemical Crystallography, 2004, 34, 893-903.	0.5	33
190	Physicochemical Changes in the Hull of Corn Grains during Their Alkaline Cooking. Journal of Agricultural and Food Chemistry, 2004, 52, 3831-3837.	2.4	39
191	Crystal structures of some manganese(II) and cadmium hexacyanoferrates (II,III) and structural transformations related to the sorption of Cesium. Powder Diffraction, 2004, 19, 255-264.	0.4	28
192	Solid State Reactions of Hemin with Basic Substances: Formation of bis and Mixed Complexes. Structural Chemistry, 2003, 14, 551-558.	1.0	5
193	Study of the influence of nejayote and other additives on the cohesive strength and electric properties of carbon black agglomerates. Journal of Applied Polymer Science, 2003, 90, 3965-3972.	1.3	7
194	Structural and thermal study of calcium undecanoate. Journal of Solid State Chemistry, 2003, 172, 471-479.	1.4	11
195	Behavior of Prussian blue-based materials in presence of ammonia. Journal of Physics and Chemistry of Solids, 2003, 64, 685-693.	1.9	31
196	On the Microporous Nature of Transition Metal Nitroprussides. Journal of Physical Chemistry B, 2003, 107, 11360-11369.	1.2	50
197	Spectroscopic Characterization of Complexes Obtained by Mechanochemical Reactions of Hemin. Spectroscopy Letters, 2003, 36, 83-92.	0.5	1
198	Synthesis and X-ray diffraction study of calcium salts of some carboxylic acids. Powder Diffraction, 2002, 17, 13-18.	0.4	8

#	ARTICLE	IF	CITATIONS
199	The structure of two manganese hexacyanometallates(II): $Mn_2[Fe(CN)_6] \cdot 8H_2O$ and $Mn_2[Os(CN)_6] \cdot 8H_2O$. Powder Diffraction, 2002, 17, 144-148.	0.4	15
200	Evaluation of cadmium hexacianoferrate(III) as a microporous material. Microporous and Mesoporous Materials, 2002, 54, 285-292.	2.2	29
201	Mechanochemical reactions of fluorides with hemin. Journal of Fluorine Chemistry, 2002, 113, 1-5.	0.9	8
202	Study of the interaction of KF with carbohydrates in DMSO-d ₆ by and NMR spectroscopy. Journal of Fluorine Chemistry, 2002, 113, 7-12.	0.9	16
203	Mechanochemical reactions of telluric acid with alkaline fluorides. Journal of Fluorine Chemistry, 2002, 113, 93-95.	0.9	4
204	Thermal decomposition of the calcium salts of several carboxylic acids. Thermochimica Acta, 2002, 389, 133-139.	1.2	49
205	The structure of three cadmium hexacyanometallates(II): $Cd_2[Fe(CN)_6] \cdot 8H_2O$, $Cd_2[Ru(CN)_6] \cdot 8H_2O$ and $Cd_2[Os(CN)_6] \cdot 8H_2O$. Solid State Sciences, 2001, 3, 1045-1051.	0.8	28
206	Kinetic Approach to Nixtamalization of Corn Pericarp. Cereal Chemistry, 2001, 78, 107-110.	1.1	9
207	The structure of two orthorhombic nitroprussides: $Cd[Fe(CN)_5NO] \cdot 2H_2O$ and $Zn[Fe(CN)_5NO] \cdot 2H_2O$. Polyhedron, 2001, 20, 165-170.	1.0	23
208	Interaction of potassium fluoride with α -D-glucose. Journal of Fluorine Chemistry, 2001, 110, 5-10.	0.9	4
209	Structural Characterization of Cadmium Hexacyanometallates(II) and Related Complexes. Structural Chemistry, 2001, 12, 59-66.	1.0	12
210	Mechanochemical synthesis of hemin-imidazole complexes. Transition Metal Chemistry, 2001, 26, 76-80.	0.7	19
211	Petroleum solid adherence on tubing surface. Fuel, 2001, 80, 1963-1968.	3.4	25
212	Structural characterization of dimercury(1+) pentacyanonitrosylferrate(2 ⁻), $Hg_2[Fe(CN)_5NO]$. Powder Diffraction, 2000, 15, 193-197.	0.4	2
213	X-Ray Diffraction and Mössbauer Characterization of Raney Fe-Ni Catalysts. Journal of Radioanalytical and Nuclear Chemistry, 2000, 245, 637-639.	0.7	7
214	Structural transformation with milling on sol-gel precursor for BaM hexaferrite. Journal Physics D: Applied Physics, 2000, 33, 2708-2715.	1.3	10
215	Characterization and Production of Structural Ceramics in the Systems $Fe(1-X)O \cdot Fe_3O_4$ and $MgO \cdot MgFe_2O_4$. Microscopy and Microanalysis, 1999, 5, 810-811.	0.2	0
216	Powder X-ray diffraction study of disilver(1+) pentacyanonitrosylferrate(2 ⁻). Powder Diffraction, 1999, 14, 219-221.	0.4	4

#	ARTICLE	IF	CITATIONS
217	On the interpretation of ^{57}Fe Mössbauer spectra from CdTe thin films with substitutions of Fe, In, and Sb. <i>Thin Solid Films</i> , 1999, 340, 301-305.	0.8	0
218	Mössbauer spectra of ferrous salts of transition metal cyano complexes. A survey. <i>Transition Metal Chemistry</i> , 1999, 24, 163-167.	0.7	12
219	The existence of ferrous ferricyanide. <i>Transition Metal Chemistry</i> , 1999, 24, 648-654.	0.7	41
220	Proton Transfer in Solid State: Mechanochemical Reactions of Imidazole with Metallic Oxides. <i>Journal of Solid State Chemistry</i> , 1999, 147, 561-564.	1.4	34
221	Transformation of cadmium ferricyanide by heating, milling and sonication. <i>Polyhedron</i> , 1998, 17, 2353-2361.	1.0	25
222	Proton transfer in the solid state: Reactions of organic acids and amines. <i>Solid State Ionics</i> , 1998, 106, 129-135.	1.3	32
223	Mechanochemical Transformations of Ag, Hg AND Pb Cyanometallates in KBr Pressed Disks. <i>Spectroscopy Letters</i> , 1997, 30, 89-98.	0.5	3
224	Synthesis and characterization of two complexes of glycine with lanthanum hexacyanoferrate(III) and hexacyanocobaltate(III). <i>Polyhedron</i> , 1996, 15, 315-319.	1.0	11
225	Structural changes in insoluble metal nitroprussides on ageing. <i>Polyhedron</i> , 1996, 15, 3139-3145.	1.0	31
226	Role of the water of crystallization in the Mössbauer spectra of some low-spin ferric and high-spin ferrous compounds. Its implications in comparative studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 200, 443-455.	0.7	5
227	The CN Stretch of Insoluble Metal Nitroprussides as a Sensor of Ligand-Outer Cation Interactions. <i>Spectroscopy Letters</i> , 1995, 28, 1015-1020.	0.5	2
228	On the interactions of ozone with manganous hexacyanoferrates. <i>Polyhedron</i> , 1994, 13, 479-484.	1.0	32
229	Study of the linkage isomerization process in hexacyanometallates. <i>Polyhedron</i> , 1994, 13, 1619-1624.	1.0	47
230	Effect of the water of crystallization on the Mössbauer spectra of hexacyanoferrates (II and III). <i>Hyperfine Interactions</i> , 1994, 88, 49-58.	0.2	33
231	On the structure and Mössbauer spectra of ferrous nitroprusside. <i>Hyperfine Interactions</i> , 1993, 77, 1-10.	0.2	14
232	Behaviour of Prussian Blue during its interaction with ozone. <i>Hyperfine Interactions</i> , 1992, 73, 285-294.	0.2	21
233	Mössbauer spectroscopic study of Prussian Blue from different provenances. <i>Hyperfine Interactions</i> , 1992, 73, 295-308.	0.2	40
234	Study of the dependence of Mössbauer parameters on the outer cation in nitroprussides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 165, 191-201.	0.7	8

#	ARTICLE	IF	CITATIONS
235	Mössbauer and infrared spectroscopic studies of novel mixed valence states in cobaltous ferrocyanides and ferricyanides. <i>Hyperfine Interactions</i> , 1990, 53, 391-395.	0.2	44
236	Nature of the atypical kinetic effects observed for the thermally induced spin transition in ferrous nitroprussides with short organic pillars.. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	3