

Jorge L. Coln

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

1,602
citations

22
h-index

39
g-index

54
ext. papers

1,711
ext. citations

6.2
avg, IF

4.31
L-index

#	Paper	IF	Citations
46	Isolating the Electrocatalytic Activity of a Confined NiFe Motif within Zirconium Phosphate. <i>Advanced Energy Materials</i> , 2021 , 11, 2003545	21.8	8
45	Cobalt porphyrin intercalation into zirconium phosphate layers for electrochemical water oxidation. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 430-437	5.8	3
44	New Applications of Zirconium Phosphate Nanomaterials. <i>Accounts of Materials Research</i> , 2021 , 2, 793-803	3	2
43	Water Splitting Electrocatalysis within Layered Inorganic Nanomaterials 2020 ,		3
42	Preparation of Zirconium Phosphate Nanomaterials and Their Applications as Inorganic Supports for the Oxygen Evolution Reaction. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
41	Morphology control of metal-modified zirconium phosphate support structures for the oxygen evolution reaction. <i>Dalton Transactions</i> , 2020 , 49, 3892-3900	4.3	12
40	Transition Metal-Modified Exfoliated Zirconium Phosphate as an Electrocatalyst for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3561-3567	6.1	12
39	Poly(ethylene glycol)-modified zirconium phosphate nanoplatelets for improved doxorubicin delivery. <i>Inorganica Chimica Acta</i> , 2017 , 468, 270-279	2.7	21
38	Modification and intercalation of layered zirconium phosphates: a solid-state NMR monitoring. <i>Magnetic Resonance in Chemistry</i> , 2017 , 55, 648-654	2.1	8
37	Transition Metal-Modified Zirconium Phosphate Electrocatalysts for the Oxygen Evolution Reaction. <i>Catalysts</i> , 2017 , 7, 132	4	25
36	Zirconium Phosphate Nanoplatelet Potential for Anticancer Drug Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 117-29	1.3	8
35	Molybdocene dichloride intercalation into zirconium phosphate nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2015 , 791, 34-40	2.3	13
34	Tales from the Unexpected 2015 , 45-82		0
33	Zirconium Phosphate Nanoparticles and Their Extraordinary Properties 2015 , 1-44		3
32	Drug Carriers Based on Zirconium Phosphate Nanoparticles 2015 , 395-437		4
31	2015 ,		4
30	Science for Haiti: International Collaborations To Advance Haitian Science and Science Education Capacity and Innovation. <i>ACS Symposium Series</i> , 2015 , 169-182	0.4	1

29	Direct intercalation of cisplatin into zirconium phosphate nanoplatelets for potential cancer nanotherapy. <i>Nanoscale</i> , 2013 , 5, 11456-63	7.7	48
28	Luminescence rigidochromism and redox chemistry of pyrazolate-bridged binuclear platinum(II) diimine complex intercalated into zirconium phosphate layers. <i>Inorganic Chemistry</i> , 2012 , 51, 2777-84	5.1	16
27	Zirconium phosphate nano-platelets: a novel platform for drug delivery in cancer therapy. <i>Chemical Communications</i> , 2012 , 48, 1754-6	5.8	118
26	Direct intercalation of bis-2,2',6,6'-terpyridylcobalt(III) into zirconium phosphate layers for biosensing applications. <i>Langmuir</i> , 2012 , 28, 4447-52	4	7
25	Vapochromic and vapoluminescent response of materials based on platinum(II) complexes intercalated into layered zirconium phosphate. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15899		36
24	Nanoencapsulation of insulin into zirconium phosphate for oral delivery applications. <i>Biomacromolecules</i> , 2010 , 11, 2465-70	6.9	102
23	Photophysical characterization of the interactions among tris(2,2'-bipyridyl)ruthenium(II) complexes ion-exchanged within zirconium phosphate. <i>Inorganic Chemistry</i> , 2010 , 49, 7298-303	5.1	36
22	Effect of Enzyme and Cofactor Immobilization on the Response of Ethanol Oxidation in Zirconium Phosphate Modified Biosensors. <i>Electroanalysis</i> , 2010 , 22, 1097-1105	3	20
21	Nitrosyl hydride (HNO) as an O ₂ analogue: long-lived HNO adducts of ferrous globins. <i>Biochemistry</i> , 2009 , 48, 5018-25	3.2	52
20	Room-temperature emission from platinum(II) complexes intercalated into zirconium phosphate-layered materials. <i>Inorganic Chemistry</i> , 2007 , 46, 8569-76	5.1	50
19	Layered inorganic materials as redox agents: ferrocenium-intercalated zirconium phosphate. <i>Langmuir</i> , 2007 , 23, 7810-7	4	42
18	Photophysical characterization of methyl viologen ion-exchanged within a zirconium phosphate framework. <i>Inorganica Chimica Acta</i> , 2007 , 360, 1535-1542	2.7	17
17	Intercalation of Re(phen)(CO) ₃ Cl into zirconium phosphate: a water insoluble inorganic complex immobilized in a highly polar rigid matrix. <i>Dalton Transactions</i> , 2007 , 1713-8	4.3	28
16	NADH Electrooxidation Using Bis(1,10-phenanthroline-5,6-dione) (2,2'-bipyridine)ruthenium(II)-Exchanged Zirconium Phosphate Modified Carbon Paste Electrodes. <i>Electroanalysis</i> , 2006 , 18, 559-572	3	38
15	Intercalation and photophysical characterization of 1-pyrenemethylamine in zirconium phosphate layered materials. <i>Langmuir</i> , 2005 , 21, 890-5	4	30
14	Photolysis of 1-pyrenemethylamine ion-exchanged into a zirconium phosphate framework. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 175, 201-206	4.7	7
13	Structural and Photophysical Characterisation of fac-[Tricarbonyl(chloro)(5,6-epoxy-1,10-phenanthroline)rhenium(I)]. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 118-124	2.3	50
12	Direct ion exchange of tris(2,2'-bipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. <i>Inorganic Chemistry</i> , 2003 , 42, 2830-2	5.1	89

11	Electron tunneling in proteins: role of the intervening medium. <i>Journal of Biological Inorganic Chemistry</i> , 1997 , 2, 399-404	3.7	81
10	Electron tunneling in proteins: role of the intervening medium. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 221-225	3.7	68
9	Control of carbon monoxide binding states and dynamics in hemoglobin I of <i>Lucina pectinata</i> by nearby aromatic residues. <i>Inorganica Chimica Acta</i> , 1996 , 243, 161-166	2.7	20
8	Electron transfer in ruthenium/zinc porphyrin derivatives of recombinant human myoglobins. Analysis of tunneling pathways in myoglobin and cytochrome c. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1485-1489	16.4	55
7	Luminescence probe studies of ionomers. 3. Distribution of decay rate constants for tris(bipyridyl)ruthenium(II) in Nafion membranes. <i>Langmuir</i> , 1993 , 9, 1066-1070	4	18
6	Systematic Preparation Of Polyoxometalate Pillared Layered Double Hydroxides Via Direct Aqueous Reaction. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 233, 63		6
5	Intercalation of dodecyl sulfate into layered double hydroxides. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1991 , 11, 361-378		122
4	Intercalation of ammonia into zinc and cobalt phenylphosphonates. <i>Inorganic Chemistry</i> , 1991 , 30, 1438-1441		84
3	X-ray photoelectron spectroscopy and catalytic activity of α -zirconium phosphate and zirconium phosphate sulfophenylphosphonate. <i>Journal of Catalysis</i> , 1990 , 124, 148-159	7.3	72
2	Photophysics and photochemistry of tris(2,2'-bipyridyl)ruthenium(II) within the layered inorganic solid zirconium phosphate sulfophenylphosphonate. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 874-882		80
1	Optical investigations of the chemical microenvironment within the layered solid zirconium phosphate sulfophenylphosphonate. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 5777-5781		65