Jorge L. Coln

List of Publications by Citations

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	Intercalation of dodecyl sulfate into layered double hydroxides. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **1991**, 11, 361-378		122
45	Zirconium phosphate nano-platelets: a novel platform for drug delivery in cancer therapy. *Chemical Communications*, **2012**, 48, 1754-6	5.8	118
44	Nanoencapsulation of insulin into zirconium phosphate for oral delivery applications. *Biomacromolecules*, **2010**, 11, 2465-70	6.9	102
43	Direct ion exchange of tris(2,2Ubipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. *Inorganic Chemistry*, **2003**, 42, 2830-2	5.1	89
42	Intercalation of ammonia into zinc and cobalt phenylphosphonates. *Inorganic Chemistry*, **1991**, 30, 1438-1441	5.1	84
41	Electron tunneling in proteins: role of the intervening medium. *Journal of Biological Inorganic Chemistry*, **1997**, 2, 399-404	3.7	81
40	Photophysics and photochemistry of tris(2,2Ubipyridyl)ruthenium(II) within the layered inorganic solid zirconium phosphate sulfophenylphosphonate. *The Journal of Physical Chemistry*, **1990**, 94, 874-882		80
39	X-ray photoelectron spectroscopy and catalytic activity of $alpha;-zirconium phosphate and zirconium phosphate sulfophenylphosphonate. *Journal of Catalysis*, **1990**, 124, 148-159	7.3	72
38	Electron tunneling in proteins: role of the intervening medium. *Journal of Biological Inorganic Chemistry*, **1996**, 1, 221-225	3.7	68
37	Optical investigations of the chemical microenvironment within the layered solid zirconium phosphate sulfophenylphosphonate. *The Journal of Physical Chemistry*, **1988**, 92, 5777-5781		65
36	Electron transfer in ruthenium/zinc porphyrin derivatives of recombinant human myoglobins. Analysis of tunneling pathways in myoglobin and cytochrome c. *Journal of the American Chemical Society*, **1993**, 115, 1485-1489	16.4	55
35	Nitrosyl hydride (HNO) as an O2 analogue: long-lived HNO adducts of ferrous globins. *Biochemistry*, **2009**, 48, 5018-25	3.2	52
34	Room-temperature emission from platinum(II) complexes intercalated into zirconium phosphate-layered materials. *Inorganic Chemistry*, **2007**, 46, 8569-76	5.1	50
33	Structural and Photophysical Characterisation of fac-[Tricarbonyl(chloro)(5,6-epoxy-1,10-phenanthroline)rhenium(I)]. *European Journal of Inorganic Chemistry*, **2005**, 2005, 118-124	2.3	50
32	Direct intercalation of cisplatin into zirconium phosphate nanoplatelets for potential cancer nanotherapy. *Nanoscale*, **2013**, 5, 11456-63	7.7	48
31	Layered inorganic materials as redox agents: ferrocenium-intercalated zirconium phosphate. *Langmuir*, **2007**, 23, 7810-7	4	42
30	NADH Electrooxidation Using Bis(1,10-phenanthroline-5,6-dione) (2,2Ubipyridine)ruthenium(II)-Exchanged Zirconium Phosphate Modified Carbon Paste Electrodes. *Electroanalysis*, **2006**, 18, 559-572	3	38

29	Vapochromic and vapoluminescent response of materials based on platinum(II) complexes intercalated into layered zirconium phosphate. *Journal of Materials Chemistry*, **2011**, 21, 15899		36
28	Photophysical characterization of the interactions among tris(2,2′-bipyridyl)ruthenium(II) complexes ion-exchanged within zirconium phosphate. *Inorganic Chemistry*, **2010**, 49, 7298-303	5.1	36
27	Intercalation and photophysical characterization of 1-pyrenemethylamine in zirconium phosphate layered materials. *Langmuir*, **2005**, 21, 890-5	4	30
26	Intercalation of Re(phen)(CO)3Cl into zirconium phosphate: a water insoluble inorganic complex immobilized in a highly polar rigid matrix. *Dalton Transactions*, **2007**, 1713-8	4.3	28
25	Transition Metal-Modified Zirconium Phosphate Electrocatalysts for the Oxygen Evolution Reaction. *Catalysts*, **2017**, 7, 132	4	25
24	Poly(ethylene glycol)-modified zirconium phosphate nanoplatelets for improved doxorubicin delivery. *Inorganica Chimica Acta*, **2017**, 468, 270-279	2.7	21
23	Effect of Enzyme and Cofactor Immobilization on the Response of Ethanol Oxidation in Zirconium Phosphate Modified Biosensors. *Electroanalysis*, **2010**, 22, 1097-1105	3	20
22	Control of carbon monoxide binding states and dynamics in hemoglobin I of Lucina pectinata by nearby aromatic residues. *Inorganica Chimica Acta*, **1996**, 243, 161-166	2.7	20
21	Luminescence probe studies of ionomers. 3. Distribution of decay rate constants for tris(bipyridyl)ruthenium(II) in Nafion membranes. *Langmuir*, **1993**, 9, 1066-1070	4	18
20	Photophysical characterization of methyl viologen ion-exchanged within a zirconium phosphate framework. *Inorganica Chimica Acta*, **2007**, 360, 1535-1542	2.7	17
19	Luminescence rigidochromism and redox chemistry of pyrazolate-bridged binuclear platinum(II) diimine complex intercalated into zirconium phosphate layers. *Inorganic Chemistry*, **2012**, 51, 2777-84	5.1	16
18	Molybdocene dichloride intercalation into zirconium phosphate nanoparticles. *Journal of Organometallic Chemistry*, **2015**, 791, 34-40	2.3	13
17	Transition Metal-Modified Exfoliated Zirconium Phosphate as an Electrocatalyst for the Oxygen Evolution Reaction. *ACS Applied Energy Materials*, **2019**, 2, 3561-3567	6.1	12
16	Morphology control of metal-modified zirconium phosphate support structures for the oxygen evolution reaction. *Dalton Transactions*, **2020**, 49, 3892-3900	4.3	12
15	Preparation of Zirconium Phosphate Nanomaterials and Their Applications as Inorganic Supports for the Oxygen Evolution Reaction. *Nanomaterials*, **2020**, 10,	5.4	11
14	Modification and intercalation of layered zirconium phosphates: a solid-state NMR monitoring. *Magnetic Resonance in Chemistry*, **2017**, 55, 648-654	2.1	8
13	Zirconium Phosphate Nanoplatelet Potential for Anticancer Drug Delivery Applications. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 117-29	1.3	8
12	Isolating the Electrocatalytic Activity of a Confined NiFe Motif within Zirconium Phosphate. *Advanced Energy Materials*, **2021**, 11, 2003545	21.8	8

11	Direct intercalation of bis-2,2′:6′,2″-terpyridylcobalt(III) into zirconium phosphate layers for biosensing applications. *Langmuir*, **2012**, 28, 4447-52	4	7
10	Photolysis of 1-pyrenemethylamine ion-exchanged into a zirconium phosphate framework. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 175, 201-206	4.7	7
9	Systematic Preparation Of Polyoxometalate Pillared Layered Double Hydroxides Via Direct Aqueous Reaction. *Materials Research Society Symposia Proceedings*, **1991**, 233, 63		6
8	Drug Carriers Based on Zirconium Phosphate Nanoparticles **2015**, 395-437		4
7	**2015**,		4
6	Water Splitting Electrocatalysis within Layered Inorganic Nanomaterials **2020**,		3
5	Zirconium Phosphate Nanoparticles and Their Extraordinary Properties **2015**, 1-44		3
4	Cobalt porphyrin intercalation into zirconium phosphate layers for electrochemical water oxidation. *Sustainable Energy and Fuels*, **2021**, 5, 430-437	5.8	3
3	New Applications of Zirconium Phosphate Nanomaterials. *Accounts of Materials Research*, **2021**, 2, 793-803	7.5	2
2	Science for Haiti: International Collaborations To Advance Haitian Science and Science Education Capacity and Innovation. *ACS Symposium Series*, **2015**, 169-182	0.4	1
1	Tales from the Unexpected **2015**, 45-82		0