Vera R L Constantino

List of Publications by Year
in descending order

121	4,236	101496	128225
papers	citations	36 h-index	60 g-index

124	124	124	4934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Basic Properties of Mg2+1-xAl3+x Layered Double Hydroxides Intercalated by Carbonate, Hydroxide, Chloride, and Sulfate Anions. Inorganic Chemistry, 1995, 34, 883-892.	1.9	594
2	Layered niobate nanosheets: building blocks for advanced materials assembly. Journal of Materials Chemistry, 2009, 19, 2512.	6.7	190
3	Aniline Polymerization into Montmorillonite Clay:Â A Spectroscopic Investigation of the Intercalated Conducting Polymer. Macromolecules, 2004, 37, 9373-9385.	2.2	161
4	Structure-reactivity relationships for basic catalysts derived from a Mg2+/A13+ /CO 3 ? layered double hydroxide. Catalysis Letters, 1994, 23, 361-367.	1.4	128
5	Adsorption of Acid Yellow 42 dye on calcined layered double hydroxide: Effect of time, concentration, pH and temperature. Applied Clay Science, 2017, 140, 132-139.	2.6	113
6	Layered Double Hydroxides: New Technology in Phosphate Fertilizers Based on Nanostructured Materials. ACS Sustainable Chemistry and Engineering, 2017, 5, 399-409.	3.2	112
7	Spectroscopic characterization of polyaniline doped with transition metal salts. Synthetic Metals, 2006, 156, 654-663.	2.1	105
8	Spectroscopic Characterization of a New Type of Conducting Polymerâ^'Clay Nanocomposite. Macromolecules, 2002, 35, 7535-7537.	2.2	103
9	Immobilization of Ibuprofen and Copper-Ibuprofen Drugs on Layered Double Hydroxides. Journal of Pharmaceutical Sciences, 2005, 94, 1135-1148.	1.6	95
10	Spectroscopic characterization of polyaniline formed in the presence of montmorillonite clay. Polymer, 2006, 47, 6131-6139.	1.8	78
11	Accessing the biocompatibility of layered double hydroxide by intramuscular implantation: histological and microcirculation evaluation. Scientific Reports, 2016, 6, 30547.	1.6	71
12	Studies on the Interaction of Emeraldine Base Polyaniline with Cu(II), Fe(III), and Zn(II) Ions in Solutions and Films. Macromolecules, 2007, 40, 3204-3212.	2.2	67
13	Bacterial celluloseâ€“laponite clay nanocomposites. Polymer, 2011, 52, 157-163.	1.8	67
14	CuII hydroxy salts: characterization of layered compounds by vibrational spectroscopy. Journal of the Brazilian Chemical Society, 2006, 17, 1651-1657.	0.6	66
15	Structural, Spectroscopic (NMR, IR, and Raman), and DFT Investigation of the Self-Assembled Nanostructure of Pravastatin-LDH (Layered Double Hydroxides) Systems. Chemistry of Materials, 2012, 24, 1415-1425.	3.2	66
16	Biochar from carrot residues chemically modified with magnesium for removing phosphorus from aqueous solution. Journal of Cleaner Production, 2019, 222, 36-46.	4.6	63
17	Removal of Acid Green 68:1 from aqueous solutions by calcined and uncalcined layered double hydroxides. Applied Clay Science, 2013, 80-81, 189-195.	2.6	58
18	Luminescence properties of the layered niobate KCa2Nb3O10 doped with Eu3+ and La3+ ions. Journal of Alloys and Compounds, 2000, 311, 159-168.	2.8	57

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19	Spectroscopic, morphological and electrochromic characterization of layer-by-layer hybrid films of polyaniline and hexaniobate nanoscrolls. Journal of Materials Chemistry, 2012, 22, 14052.	6.7	54
20	Photoluminescence study of layered niobates intercalated with Eu3+ ions. Journal of Alloys and Compounds, 1998, 278, 142-148.	2.8	52
21	Structural aspects and thermal behavior of the proton-exchanged layered niobate K4Nb6O17. Materials Research Bulletin, 2004, 39, 1729-1736.	2.7	50
22	Mgâ€“Al hydrotalcite-like compounds containing iron-phthalocyanine complex: effect of aluminum substitution on the complex adsorption features and catalytic activity. Applied Clay Science, 2005, 28, 147-158.	2.6	50
23	HidrÃ³xidos duplos lamelares: nanopartÃculas inorgÃ¢nicas para armazenamento e liberaÃ§Ã£o de espÃ©cies de interesse biolÃ³gico e terapÃªutico. Quimica Nova, 2010, 33, 159-171.	0.3	48
24	Mgâ€“Al and Znâ€“Al Layered Double Hydroxides Promote Dynamic Expression of Marker Genes in Osteogenic Differentiation by Modulating Mitogenâ€Activated Protein Kinases. Advanced Healthcare Materials, 2018, 7, 1700693.	3.9	46
25	Spectroscopic Characterization of Doped Poly(benzidine) and Its Nanocomposite with Cationic Clay. Journal of Physical Chemistry B, 2004, 108, 5564-5571.	1.2	45
26	Spectroscopic Characterization of Polyaniline Formed by Using Copper(II) in Homogeneous and MCM-41 Molecular Sieve Media. Journal of Physical Chemistry B, 2005, 109, 22131-22140.	1.2	45
27	Evidences for decarbonation and exfoliation of layered double hydroxide in N,N-dimethylformamideâ€“ethanol solvent mixture. Journal of Solid State Chemistry, 2007, 180, 1967-1976.	1.4	45
28	Layered double hydroxide and sulindac coiled and scrolled nanoassemblies for storage and drug release. RSC Advances, 2016, 6, 16419-16436.	1.7	45
29	Organic chemical conversions catalyzed by intercalated layered double hydroxides (LDHs). Applied Clay Science, 1995, 10, 117-129.	2.6	43
30	Synthesis and Characterization of Magnesium-Aluminum Layered Double Hydroxides Containing (Tetrasulfonated porphyrin)cobalt. European Journal of Inorganic Chemistry, 2005, 2005, 1577-1584.	1.0	42
31	Delivery system for mefenamic acid based on the nanocarrier layered double hydroxide: Physicochemical characterization and evaluation of anti-inflammatory and antinociceptive potential. Materials Science and Engineering C, 2016, 58, 629-638.	3.8	42
32	Porphyrin intercalation into a layered niobate derived from K4Nb6O17. Journal of Materials Science, 2002, 37, 265-270.	1.7	41
33	Mesoporous carbon derived from a biopolymer and a clay: Preparation, characterization and application for an organochlorine pesticide adsorption. Microporous and Mesoporous Materials, 2016, 225, 342-354.	2.2	41
34	Inorganic-organic bio-nanocomposite films based on Laponite and Cellulose Nanofibers (CNF). Applied Clay Science, 2019, 168, 428-435.	2.6	39
35	Mefenamic Acid Anti-Inflammatory Drug: Probing Its Polymorphs by Vibrational (IR and Raman) and Solid-State NMR Spectroscopies. Journal of Physical Chemistry B, 2014, 118, 4333-4344.	1.2	38
36	Determination of chromium (VI) by dispersive solid-phase extraction using dissolvable Zn-Al layered double hydroxide intercalated with l-Alanine as adsorbent. Microchemical Journal, 2019, 146, 650-657.	2.3	37

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37	Iron-Based Layered Double Hydroxide Implants: Potential Drug Delivery Carriers with Tissue Biointegration Promotion and Blood Microcirculation Preservation. ACS Omega, 2018, 3, 18263-18274.	1.6	36
38	Spectroscopic Studies on the Interaction of Tetramethylpyridylporphyrins and Cationic Clays. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 38, 251-266.	1.6	34
39	Layered H2K2Nb6O17 exfoliation promoted by n-butylamine. Materials Research Bulletin, 2004, 39, 1811-1820.	2.7	34
40	New polyol route to keggin ion-pillared layered double hydroxides. Microporous Materials, 1995, 4, 21-29.	1.6	31
41	Synthesis and Catalytic Properties of Silicate-Intercalated Layered Double Hydroxides Formed by Intragallery Hydrolysis of Tetraethylorthosilicate. Clays and Clay Minerals, 1995, 43, 503-510.	0.6	31
42	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 42, 15-23.	1.6	31
43	Intralamellar structural modifications related to the proton exchanging in K4Nb6O17 layered phase. Journal of Physics and Chemistry of Solids, 2010, 71, 560-564.	1.9	30
44	Iron oxyhydroxide nanostructured in montmorillonite clays: Preparation and characterization. Journal of Colloid and Interface Science, 2010, 349, 49-55.	5.0	29
45	Hybrid Materials Based on Smectite Clays and Nutraceutical Anthocyanins from the AÃ§aÃ-Fruit. European Journal of Inorganic Chemistry, 2012, 2012, 5411-5420.	1.0	29
46	Exfoliation of layered hexaniobate in tetra(n-butyl)ammonium hydroxide aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 295, 123-129.	2.3	28
47	Title is missing!. Journal of Materials Science Letters, 1999, 18, 643-646.	0.5	27
48	Porphyrin inclusion into hexaniobate nanoscrolls. Microporous and Mesoporous Materials, 2005, 83, 212-218.	2.2	27
49	An Atomistically Enriched Continuum Model for Nanoscale Contact Mechanics and Its Application to Contact Scaling. Journal of Nanoscience and Nanotechnology, 2008, 8, 3757-3773.	0.9	27
50	Characterization of the products of aniline peroxydisulfate oligo/polymerization in media with different pH by resonance Raman spectroscopy at 413.1 and 1064 nm excitation wavelengths. Journal of Raman Spectroscopy, 2011, 42, 1653-1659.	1.2	27
51	Transparent organicâ€“inorganic nanocomposites membranes based on carboxymethylcellulose and synthetic clay. Industrial Crops and Products, 2015, 69, 415-423.	2.5	27
52	LAPONITEÂ®-pilocarpine hybrid material: experimental and theoretical evaluation of pilocarpine conformation. RSC Advances, 2017, 7, 27290-27298.	1.7	26
53	Clay-porphyrin systems: spectroscopic evidence of TMPyP Protonation, non-planar distortion and meso substituent rotation. Clays and Clay Minerals, 2005, 53, 361-371.	0.6	25
54	Adsorption of gallic acid on nanoclay modified with poly(diallyldimethylammonium chloride). Environmental Science and Pollution Research, 2019, 26, 28444-28454.	2.7	25

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55	Spectroscopic Study on the Structural Differences of Thermally Induced Cross-Linking Segments in Emeraldine Salt and Base Forms of Polyaniline. Journal of Physical Chemistry B, 2012, 116, 14191-14200.	1.2	24
56	Simultaneous determination of acetaminophen and tyrosine using a glassy carbon electrode modified with a tetraruthenated cobalt(II) porphyrin intercalated into a smectite clay. Mikrochimica Acta, 2016, 183, 3243-3253.	2.5	24
57	Industrial Scale Isolation, Structural and Spectroscopic Characterization of Epiisopiloturine from Pilocarpus microphyllus Stapf Leaves: A Promising Alkaloid against Schistosomiasis. PLoS ONE, 2013, 8, e66702.	1.1	23
58	Design of 3D multi-layered electrospun membranes embedding iron-based layered double hydroxide for drug storage and control of sustained release. European Polymer Journal, 2020, 131, 109675.	2.6	23
59	Evaluation of Hexaniobate Nanoscrolls as Support for Immobilization of a Copper Complex Catalyst. Inorganic Chemistry, 2006, 45, 6214-6221.	1.9	21
60	A Penalty Method to Model Particle Interactions in DNA-Laden Flows. Journal of Nanoscience and Nanotechnology, 2008, 8, 3749-3756.	0.9	21
61	Intercalation compounds involving inorganic layered structures. Anais Da Academia Brasileira De Ciencias, 2000, 72, 45-50.	0.3	20
62	Probing the local environment of hybrid materials designed from ionic liquids and synthetic clay by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 469-475.	2.0	20
63	Benzidine oxidation on cationic clay surfaces in aqueous suspension monitored by in situ resonance Raman spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 289, 39-46.	2.3	19
64	Raman microspectroscopy of phthalocyanine intercalates: tetrasulphonated cobalt and nickel phthalocyanines in layered double hydroxide. Journal of Raman Spectroscopy, 1998, 29, 103-108.	1.2	18
65	Oxidation of anilinium ions intercalated in montmorillonite clay by electrochemical route. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 318, 245-253.	2.3	18
66	Chemical modification of niobium layered oxide by tetraalkylammonium intercalation. Journal of the Brazilian Chemical Society, 2010, 21, 1366-1376.	0.6	18
67	Hybrid materials of polyaniline and acidic hexaniobate nanoscrolls: high polaron formation and improved thermal properties. Journal of Materials Chemistry A, 2014, 2, 8205-8214.	5.2	18
68	Structure, spectroscopy and electrochemistry of the bis(2,2â€²-bipyridine)(salicylato)ruthenium(II) complex. Journal of the Chemical Society Dalton Transactions, 1999, , 1735-1740.	1.1	17
69	Ethanolysis and Methanolysis of Soybean and Macauba Oils Catalyzed by Mixed Oxide Caâ€“Al from Hydrocalumite for Biodiesel Production. Energy & Fuels, 2016, 30, 6662-6670.	2.5	17
70	PreparaÃ§Ã£o de compostos de alumÃnio a partir da bauxita: consideraÃ§Ãµes sobre alguns aspectos envolvidos em um experimento didÃ¡tico. Quimica Nova, 2002, 25, 490.	0.3	16
71	Probing the Indigo Molecule in Maya Blue Simulants with Resonance Raman Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 11505-11515.	1.5	16
72	Spectroscopic and electrochemical studies on (2-hydroxypicolinate)-bis(2,2â€²-bipyridine)ruthenium(II) and related complexes. Transition Metal Chemistry, 1994, 19, 103-107.	0.7	15

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73	Modified drug release system based on Sulindac and layered double hydroxide: An in vivo Raman investigation. Vibrational Spectroscopy, 2016, 87, 60-66.	1.2	15
74	Investigation of Thermal Behavior of Layered Double Hydroxides Intercalated with Carboxymethylcellulose Aiming Bio-Carbon Based Nanocomposites. ChemEngineering, 2019, 3, 55.	1.0	15
75	Resonance Raman spectra of tris(violurate)ruthenium(II) and of mixed (violurate)bis(2,2â€²-bipyridine)ruthenium(II) complexes. Journal of Raman Spectroscopy, 1992, 23, 629-632.	1.2	14
76	Raman spectroscopy and DFT calculations of para-coumaric acid and its deprotonated species. Vibrational Spectroscopy, 2012, 58, 139-145.	1.2	14
77	Spectroscopic investigation of the interactions between emeraldine base polyaniline and Eu(III) ions. Synthetic Metals, 2009, 159, 377-384.	2.1	13
78	A hybrid material assembled by anthocyanins from aÃ§aÃ-fruit intercalated between niobium lamellar oxide. Dalton Transactions, 2009, , 4136.	1.6	13
79	Layered Double Hydroxides Are Promising Nanomaterials for Tissue Bioengineering Application. Advanced Biology, 2019, 3, 1800238.	3.0	13
80	Polymer/Iron-Based Layered Double Hydroxides as Multifunctional Wound Dressings. Pharmaceutics, 2020, 12, 1130.	2.0	13
81	Influence of the relative amounts of crystalline and amorphous phases on the mechanical properties of polyamideâ€6 nanocomposites. Journal of Applied Polymer Science, 2012, 125, 3239-3249.	1.3	12
82	Heatâ€damaged evaluation of virgin hair. Journal of Cosmetic Dermatology, 2019, 18, 1885-1892.	0.8	12
83	New insights into two ciprofloxacin-intercalated arrangements for layered double hydroxide carrier materials. New Journal of Chemistry, 2020, 44, 10076-10086.	1.4	12
84	A dispersive solid phase extraction-based method for chromium(<scp>vi</scp>) analysis using a Znâ€“Al layered double hydroxide intercalated with <scp>l</scp>-aspartic acid as a dissolvable adsorbent. New Journal of Chemistry, 2020, 44, 10087-10094.	1.4	12
85	Extraction and concentration of biogenic calcium oxalate from plant leaves. Revista Brasileira De Ciencia Do Solo, 2009, 33, 729-733.	0.5	11
86	Desferrioxamineâ€“cadmium as a â€˜Trojan horseâ€™ for the delivery of Cd to bacteria and fungi. Journal of Trace Elements in Medicine and Biology, 2013, 27, 103-108.	1.5	11
87	Plant growth regulation by seed coating with films of alginate and auxin-intercalated layered double hydroxides. Beilstein Journal of Nanotechnology, 2020, 11, 1082-1091.	1.5	11
88	Adsorption of Dicamba herbicide onto a carbon replica obtained from a layered double hydroxide. Dalton Transactions, 2018, 47, 3119-3127.	1.6	10
89	Use of the transform method in the interpretation of the Raman excitation profiles of a bichromophoric system. Journal of Raman Spectroscopy, 1993, 24, 431-434.	1.2	9
90	Lithium Ion Electro-Insertion and Spectroelectrochemical Properties of Films from Hexaniobate. Journal of Physical Chemistry C, 2009, 113, 10868-10876.	1.5	9

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91	Biopolymer-Clay Nanocomposites: Cassava Starch and Synthetic Clay Cast Films. Journal of the Brazilian Chemical Society, 2013, , .	0.6	9
92	Sonic hedgehog drives layered double hydroxides-induced acute inflammatory landscape. Colloids and Surfaces B: Biointerfaces, 2019, 174, 467-475.	2.5	9
93	Phytochemical species intercalated into layered double hydroxides: structural investigation and biocompatibility assays. New Journal of Chemistry, 2020, 44, 10011-10021.	1.4	9
94	Bionanocomposites of Cassava Starch and Synthetic Clay. Journal of Carbohydrate Chemistry, 2013, 32, 483-501.	0.4	7
95	Bacterial Cellulose as a Template for Preparation of Hydrotalcite-Like Compounds. Journal of the Brazilian Chemical Society, 2014, , .	0.6	7
96	Nanocomposites Based on Cassava Starch and Chitosan-Modified Clay: Physicoâ€'Mechanical Properties and Biodegradability in Simulated Compost Soil. Journal of the Brazilian Chemical Society, 2016, , .	0.6	7
97	Ternary nanocomposites of reduced graphene oxide, polyaniline and hexaniobate: hierarchical architecture and high polaron formation. Beilstein Journal of Nanotechnology, 2018, 9, 2936-2946.	1.5	7
98	Polyaniline/Layered Zirconium Phosphate Nanocomposites: Secondary-Like Doped Polyaniline Obtained by the Layer-by-Layer Technique. Journal of Nanoscience and Nanotechnology, 2008, 8, 1782-1789.	0.9	7
99	Aspectos estruturais relacionados ao processo de troca iÃ´nica no niobato lamelar K4Nb6O17. Quimica Nova, 2006, 29, 1215-1220.	0.3	6
100	Investigation about iron(III) incorporation into layered double hydroxides: Compositional and structural properties of Mg2FeyAl(1â^'y)(OH)6-Cl and Zn2FeyAl(1â^'y)(OH)6-Cl. Journal of Alloys and Compounds, 2021, 886, 161184.	2.8	6
101	Niobium Oxide Mesophases Obtained by Self-Assembly of an Aqueous Soluble Niobium Complex Precursor and Organic Templates. European Journal of Inorganic Chemistry, 2007, 2007, 579-584.	1.0	5
102	Spectroscopic characterization of schiff base-copper complexes immobilized in smectite clays. Quimica Nova, 2010, 33, 2135-2142.	0.3	5
103	Probing the chemical reactivity of interfaces: Investigation on the interaction of dehydroindigo with Laponite by UVâ€"vis, Raman and infrared spectroscopy. Vibrational Spectroscopy, 2018, 94, 83-88.	1.2	5
104	Theoretical UV-Vis spectra of tetracationic porphyrin: effects of environment on electronic spectral properties. Journal of Molecular Modeling, 2019, 25, 264.	0.8	5
105	Hybrid Ni Al layered double hydroxide: Characterization and in situ synchrotron XRD and vibrational spectroscopic studies under high-pressure. Applied Clay Science, 2019, 174, 152-158.	2.6	5
106	Thermal decomposition of a layered double hydroxide as a bottom up approach for the synthesis of metallic nanoparticles embedded in carbon structures. New Journal of Chemistry, 2020, 44, 16721-16732.	1.4	5
107	Folic Acid and Sodium Folate Salts: Thermal Behavior and Spectroscopic (IR, Raman, and Solid-state) Tj ETQq1 1 0.784314 rgBT /Over 2022, 273, 120981.	2.0	5
108	Anti-Inflammatory and Analgesic Evaluation of a Phytochemical Intercalated into Layered Double Hydroxide. Pharmaceutics, 2022, 14, 934.	2.0	5

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109	Removal of Sodium Dodecylbenzenesulphonate and Cetyltrimethylammonium Bromide Using a Carbon Composite Derived from Modified Znâ€“Al-Layered Double Hydroxide. Adsorption Science and Technology, 2013, 31, 711-728.	1.5	4
110	New organic-inorganic hybrid composites based on cellulose nanofibers and modified Laponite. Advanced Optical Technologies, 2018, 7, 327-334.	0.9	4
111	Yb3+/Er3+ co-doped Dionâ€“Jacobson niobium layered perovskites as NIR-to-green upconversion materials. New Journal of Chemistry, 2020, 44, 10165-10171.	1.4	4
112	Exfoliation of carboxymethylcellulose-intercalated layered double hydroxide in water. Applied Clay Science, 2021, 205, 106005.	2.6	4
113	Fe(III)â€Based Layered Double Hydroxides Carrying Model Naproxenate Anions: Compositional and Structural Aspects. ChemistrySelect, 2022, 7, .	0.7	4
114	Cobalt-based layered double hydroxides revisited: evidence for oxidizing radical generation. New Journal of Chemistry, 2020, 44, 10022-10032.	1.4	3
115	Photoreduction of NbV in aqueous solutions of Î±-hydroxycarboxylic acids. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 44, 361-365.	2.0	2
116	Polyaniline/layered zirconium phosphate nanocomposites: secondary-like doped polyaniline obtained by the layer-by-layer technique. Journal of Nanoscience and Nanotechnology, 2008, 8, 1782-9.	0.9	2
117	Innovative membrane containing iron-based layered double hydroxide intercalated with phyto therapeutic diterpenoid. Applied Clay Science, 2022, 216, 106358.	2.6	1
118	Layer-by-Layer Hybrid Films of Polyaniline and Hexaniobate Nanosheets Characterized by Resonance Raman Spectroscopy. , 2010, , .		0
119	Sustainability from intercalation compounds. New Journal of Chemistry, 2020, 44, 9955-9956.	1.4	0
120	UV Raman microscopy of porphyrins immobilized in inorganic matrices. , 1999, , 185-186.		0
121	Intercalation of Apocarotenoids from Annatto (Bixa orellana L.) into Layered Double Hydroxides. Journal of the Brazilian Chemical Society, 0, , .	0.6	0