

Norberto S Gonçalves

List of Publications by Year in descending order

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49
papers

1,107
citations

430442

18
h-index

414034

32
g-index

49
all docs

49
docs citations

49
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Transesterification reaction of vegetable oils, using superacid sulfated TiO ₂ base catalysts. <i>Applied Catalysis A: General</i> , 2008, 347, 100-105.	2.2	140
2	Characterization of sulfated TiO ₂ prepared by the sol-gel method and its catalytic activity in the n-hexane isomerization reaction. <i>Journal of Molecular Catalysis A</i> , 2005, 225, 39-46.	4.8	106
3	Chitosan crosslinked with a metal complexing agent: Synthesis, characterization and copper(II) ions adsorption. <i>Reactive and Functional Polymers</i> , 2008, 68, 572-579.	2.0	89
4	Chelating resin from functionalization of chitosan with complexing agent 8-hydroxyquinoline: application for metal ions on line preconcentration system. <i>Analytica Chimica Acta</i> , 2004, 521, 157-162.	2.6	69
5	TiO ₂ with a high sulfate content thermogravimetric analysis, determination of acid sites by infrared spectroscopy and catalytic activity. <i>Catalysis Today</i> , 2003, 85, 69-74.	2.2	67
6	Chitosan modified with Reactive Blue 2 dye on adsorption equilibrium of Cu(II) and Ni(II) ions. <i>Reactive and Functional Polymers</i> , 2007, 67, 1052-1060.	2.0	59
7	Antioxidant activity of phenolic and related compounds: a density functional theory study on the O-H bond dissociation enthalpy. <i>Redox Report</i> , 2004, 9, 263-269.	1.4	56
8	Acetalization of acetone with glycerol catalyzed by niobium-aluminum mixed oxides synthesized by a sol-gel process. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 122-130.	4.8	50
9	Synthesis of substituted dipyrido[3,2-a:2',3'-c]phenazines and a new heterocyclic dipyrido[3,2-f:2',3'-h]quinoxalino[2,3-b]quinoxaline. <i>Tetrahedron</i> , 2008, 64, 5410-5415.	1.0	44
10	Spray-dried chitosan microspheres containing 8-hydroxyquinoline-5 sulphonic acid as a new adsorbent for Cd(II) and Zn(II) ions. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 152-157.	3.6	42
11	Raman spectroscopy and thermal analysis of sulfated ZrO ₂ prepared by two synthesis routes. <i>Vibrational Spectroscopy</i> , 2007, 44, 101-107.	1.2	30
12	Vibrational analysis of nicotinic acid species based on ab initio molecular orbital calculations. <i>Journal of Molecular Structure</i> , 2001, 565-566, 411-416.	1.8	29
13	bis-(1H-Benzimidazol-2-yl)-methanone: New preparation method, crystal structure, vibrational spectroscopy and DFT calculations. <i>Journal of Molecular Structure</i> , 2009, 938, 1-9.	1.8	23
14	Overtone spectrum of the CH chromophore in CHI ₃ . <i>Journal of Chemical Physics</i> , 1995, 103, 8391-8403.	1.2	21
15	Effect of Ni loading and reaction temperature on the formation of carbon nanotubes from methane catalytic decomposition over Ni/SiO ₂ . <i>Journal of Materials Science</i> , 2007, 42, 914-922.	1.7	21
16	Evidences for a localized chromophore in the Ti(IV)/squatrate complex: a resonance Raman investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 1553-1562.	2.0	20
17	SBA-15:TiO ₂ nanocomposites: II. Direct and post-synthesis using acetylacetone. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 235-243.	2.2	20
18	Lithium Croconate Dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996, 52, 622-624.	0.4	19

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19	Boson peak in the room-temperature molten salt tetra(n-butyl)ammonium croconate. <i>Physical Review B</i> , 2001, 63, .	1.1	17
20	Vibrational analysis and NMR properties based on ab initio and DFT calculations of two naturally occurring xanthenes: 1,5-dihydroxy-2,3-dimethoxyxanthone and 1-hydroxy-5-methoxy-2,3-methylenedioxyxanthone. <i>Journal of Molecular Structure</i> , 2005, 733, 53-61.	1.8	16
21	Thermal dehydration in lithium croconate dihydrate (Li ₂ C ₅ O ₅ ·2H ₂ O) studied by vibrational and thermoanalytical techniques. <i>Journal of Molecular Structure</i> , 2001, 570, 75-82.	1.8	14
22	Resonance Raman and crystallographic studies on the complex [Fe ₂ (bbpnoI) ₂]·2DMF (bbpnoI=N,N'-bis(2-hydroxybenzyl)-2-ol-1,3-propanediamine). <i>Inorganica Chimica Acta</i> , 2002, 329, 141-146.	1.2	13
23	Synthesis, potentiometric titration, electrochemical investigation and biological properties of trans-[RuCl ₂ (dinic) ₄] (dinic=3,5-pyridinecarboxylic acid). <i>Journal of Inorganic Biochemistry</i> , 1999, 76, 153-163.	1.5	12
24	Raman, resonance Raman and infrared spectra of potassium uranyl croconate. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994, 50, 263-269.	0.1	10
25	The Interaction Between Titanium(IV) and the Croconate Ion in Aqueous Solution Studied by Resonance Raman Spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 1996, 7, 385-390.	0.6	10
26	Evidences for charge-transfer complex formation in the benzene adsorption on sulfated TiO ₂ a resonance Raman spectroscopy investigation. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 415-420.	1.2	9
27	Vibrational and resonance Raman study of dithiosquarate. <i>Journal of Molecular Structure</i> , 2003, 645, 185-191.	1.8	8
28	Spectroscopic study of the charge-transfer complexes TiCl ₄ /styrene and TiCl ₄ /polystyrene. <i>Journal of Molecular Structure</i> , 2017, 1146, 750-754.	1.8	8
29	Assignment of the electronic transition of phenothiazine radical cation in the visible region a resonance Raman spectroscopy and theoretical calculation investigation. <i>Journal of Molecular Structure</i> , 2019, 1191, 253-258.	1.8	8
30	Uma Demonstração Sobre o Espalhamento Inelástico de Luz: Repetindo o Experimento de Raman. <i>Química Nova</i> , 1997, 20, 319-323.	0.3	7
31	Electroreductive polymerization of trans-[RuCl ₂ (vpy) ₄] on Nd-Fe-B magnets: electrochemical impedance spectroscopy interpretation, Raman spectroscopy, X-ray photoelectron spectroscopy and scanning electron microscopy analysis. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 244-251.	1.2	7
32	Electropolymerization of trans-[RuCl ₂ (vpy) ₄] complex EQCM and Raman studies. <i>Journal of Solid State Electrochemistry</i> , 2006, 11, 231-239.	1.2	7
33	Thermal analysis, Raman spectroscopy and scanning electron microscopy of new polymeric material containing in-chain ruthenium complex: Poly-{trans-[RuCl ₂ (vpy) ₄]-co-styrene} and poly-{trans-[RuCl ₂ (vpy) ₄]-4 vinylpyridine-styrene}. <i>Materials Letters</i> , 2006, 60, 2549-2553.	1.3	7
34	Resonance Raman spectroscopy of FeII FeIII and FeIII FeIII model complexes containing an unsymmetrical dinucleating ligand: a biomimetic redox pair for uteroferrin. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1658-1663.	0.6	6
35	Pre-resonance Raman effect of some croconates in the solid state. <i>Journal of Raman Spectroscopy</i> , 1994, 25, 781-786.	1.2	5
36	Resonance Raman spectroscopy of rhodizonates: Evidence of low-energy transitions in the solid state. <i>Journal of Raman Spectroscopy</i> , 1995, 26, 363-372.	1.2	5

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37	Electronic transitions of the manganate(V) ion in aqueous solution: a resonance Raman study. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 697-704.	1.2	5
38	Niobium chloride in 1-butyl-3-methylimidazolium chloride ionic liquid as a catalyst for biginelli reaction. <i>Journal of Molecular Structure</i> , 2020, 1220, 128653.	1.8	5
39	Vibrational spectra of iodine and bromine thiourea complexes. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1989, 45, 643-647.	0.1	4
40	Spectroscopic study of radical cation species formed on sulfated TiO ₂ upon benzene adsorption. <i>Vibrational Spectroscopy</i> , 2018, 99, 80-85.	1.2	4
41	Casting and inkjet printable photochromic films based on polymethylmethacrylate "Phosphotungstic acid. <i>Optical Materials</i> , 2019, 96, 109345.	1.7	4
42	Microcapsula do agente quelante sulfoxina em microesferas de quitosana preparadas por spray drying como novo adsorvente para Ânions metálicos. <i>Quimica Nova</i> , 2008, 31, 1400-1404.	0.3	3
43	TITANYL SULPHATE, AN INORGANIC POLYMER: STRUCTURAL STUDIES AND VIBRATIONAL ASSIGNMENT. <i>Quimica Nova</i> , 2019, , .	0.3	3
44	Resonance Raman investigation of the interaction of benzoquinone with amino acids. <i>Journal of Raman Spectroscopy</i> , 1989, 20, 547-550.	1.2	2
45	Resonance Raman investigation of meisenheimer complexes derived from 1,3,5-trinitrobenzene. <i>Journal of Raman Spectroscopy</i> , 1989, 20, 551-554.	1.2	2
46	Potential Diagnostic Assay for Cystinuria by Capillary Electrophoresis Coupled to Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	1
47	Micro Raman Spectroscopy Investigation of Patinas Formed by Exposure of Copper to Vapor of Several Aqueous Electrolyte Solutions. , 2010, , .		0
48	Resonance Raman Spectroscopy of an Iron Complex Containing a Phenanthrolic Extended Tetraaza Proligand: Fe(dpq-qx)[sub 3]. , 2010, , .		0
49	Efficient degradation of solid yeast biomass from ethanol industry by Fenton and UV-Fenton processes applying multivariate analysis. <i>Revista Ambiente & Água</i> , 2017, 12, 946.	0.1	0