

Norberto S Goncalves

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46
papers

933
citations

16
h-index

29
g-index

49
ext. papers

1,011
ext. citations

3.1
avg, IF

3.71
L-index

#	Paper	IF	Citations
46	Transesterification reaction of vegetable oils, using superacid sulfated TiO ₂ based catalysts. <i>Applied Catalysis A: General</i> , 2008 , 347, 100-105	5.1	118
45	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		88
44	Chitosan crosslinked with a metal complexing agent: Synthesis, characterization and copper(II) ions adsorption. <i>Reactive and Functional Polymers</i> , 2008 , 68, 572-579	4.6	77
43	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	6.6	63
42	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	5.3	55
41	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	4.6	52
40	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, 263-9	5.9	46
39	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, 152-7	7.9	38
38	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	2.4	38
37	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		36
36	Vibrational analysis of nicotinic acid species based on ab initio molecular orbital calculations. <i>Journal of Molecular Structure</i> , 2001 , 565-566, 411-416	3.4	28
35	Raman spectroscopy and thermal analysis of sulfated ZrO ₂ prepared by two synthesis routes. <i>Vibrational Spectroscopy</i> , 2007 , 44, 101-107	2.1	24
34	Overtone spectrum of the CH chromophore in CHI ₃ . <i>Journal of Chemical Physics</i> , 1995 , 103, 8391-8403	3.9	21
33	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	3.4	20
32	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	4.3	20
31	Evidences for a localized chromophore in the Ti(IV)/squarate complex: a resonance Raman investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000 , 56A, 1553-62	4.4	18
30	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	3.4	16

29	Lithium Croconate Dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996 , 52, 622-624		15
28	SBA-15:TiO ₂ nanocomposites: II. Direct and post-synthesis using acetylacetone. <i>Microporous and Mesoporous Materials</i> , 2017 , 239, 235-243	5.3	14
27	Boson peak in the room-temperature molten salt tetra(n-butyl)ammonium croconate. <i>Physical Review B</i> , 2001 , 63,	3.3	14
26	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	3.4	13
25	Resonance Raman and crystallographic studies on the complex [Fe ₂ (bbpnl) ₂] ₂ DMF (bbpnl=N,N'-bis(2-hydroxybenzyl)-2-ol-1,3-propanediamine). <i>Inorganica Chimica Acta</i> , 2002 , 329, 141-146	2.7	12
24	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, 153-63	4.2	10
23	Raman, resonance Raman and infrared spectra of potassium uranyl croconate. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994 , 50, 263-269		10
22	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	1.5	10
21	Evidences for charge-transfer complex formation in the benzene adsorption on sulfated TiO ₂ by resonance Raman spectroscopy investigation. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 415-420	2.3	7
20	Assignment of the electronic transition of phenothiazine radical cation in the visible region by resonance Raman spectroscopy and theoretical calculation investigation. <i>Journal of Molecular Structure</i> , 2019 , 1191, 253-258	3.4	6
19	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	3.3	6
18	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	2.6	6
17	Vibrational and resonance Raman study of dithiosquarate. <i>Journal of Molecular Structure</i> , 2003 , 645, 185-191	3.4	6
16	Pre-resonance Raman effect of some croconates in the solid state. <i>Journal of Raman Spectroscopy</i> , 1994 , 25, 781-786	2.3	5
15	Resonance Raman spectroscopy of rhodizonates: Evidence of low-energy transitions in the solid state. <i>Journal of Raman Spectroscopy</i> , 1995 , 26, 363-372	2.3	5
14	Spectroscopic study of the charge-transfer complexes TiCl ₄ /styrene and TiCl ₄ /polystyrene. <i>Journal of Molecular Structure</i> , 2017 , 1146, 750-754	3.4	4
13	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	1.5	4
12	Electropolymerization of trans-[RuCl ₂ (vpy) ₄] complex by QCM and Raman studies. <i>Journal of Solid State Electrochemistry</i> , 2006 , 11, 231-239	2.6	4

11	Vibrational spectra of iodine and bromine thiourea complexes. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1989 , 45, 643-647		4
10	Uma Demonstração Sobre o Espalhamento Inelástico de Luz: Repetindo o Experimento de Raman. <i>Quimica Nova</i> , 1997 , 20, 319-323	1.6	3
9	Electronic transitions of the manganate(V) ion in aqueous solution: a resonance Raman study. <i>Journal of Raman Spectroscopy</i> , 1999 , 30, 697-704	2.3	3
8	Casting and inkjet printable photochromic films based on polymethylmethacrylate and Phosphotungstic acid. <i>Optical Materials</i> , 2019 , 96, 109345	3.3	2
7	Resonance Raman investigation of the interaction of benzoquinone with amino acids. <i>Journal of Raman Spectroscopy</i> , 1989 , 20, 547-550	2.3	2
6	Resonance Raman investigation of Meisenheimer complexes derived from 1,3,5-trinitrobenzene. <i>Journal of Raman Spectroscopy</i> , 1989 , 20, 551-554	2.3	2
5	Microencapsulação do agente quelante sulfoxina em microesferas de quitosana preparadas por spray drying como novo adsorvente para íons metálicos. <i>Quimica Nova</i> , 2008 , 31, 1400-1404	1.6	2
4	TITANYL SULPHATE, AN INORGANIC POLYMER: STRUCTURAL STUDIES AND VIBRATIONAL ASSIGNMENT. <i>Quimica Nova</i> , 2019 ,	1.6	2
3	Spectroscopic study of radical cation species formed on sulfated TiO ₂ upon benzene adsorption. <i>Vibrational Spectroscopy</i> , 2018 , 99, 80-85	2.1	2
2	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	3.4	1
1	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	0.8	