Neftali Lenin Villarreal CarreÃ±o

List of Publications by Year
in descending order

123 papers	2,610 citations	201575 27 h-index	223716 46 g-index
124 all docs	124 docs citations	124 times ranked	3859 citing authors

#	Article	IF	Citations
1	Electrospun Starch Nanofibers as a Delivery Carrier for Carvacrol as Antiâ€Glioma Agent. Starch/Staerke, 2022, 74, 2100115.	1.1	7
2	Pereskia aculeata leaves: properties and potentialities for the development of new products. Natural Product Research, 2022, 36, 4821-4832.	1.0	3
3	Influence of Nb2O5 grown on SrTiO3 nanoseeds in the catalytic oxidation of thioanisole. Materials Chemistry and Physics, 2022, 278, 125591.	2.0	6
4	Effects of niobium pentoxide nanoparticles on the tribological properties of electrodeposited ZnNi coatings. Surface Topography: Metrology and Properties, 2022, 10, 024003.	0.9	4
5	An easy to assemble PDMS/CNTs/PANI flexible supercapacitor with high energy-to-power density. Nanoscale, 2022, 14, 2266-2276.	2.8	23
6	A Flexible Electrochemical Biosensor Based on NdNiO₃ Nanotubes for Ascorbic Acid Detection. ACS Applied Nano Materials, 2022, 5, 3394-3405.	2.4	12
7	Development of xanthan gumâ€based solid polymer electrolytes with addition of expanded graphite nanosheets. Journal of Applied Polymer Science, 2022, 139, .	1.3	2
8	Electrochemical Biosensor Based on Laser-Induced Graphene for COVID-19 Diagnosing: Rapid and Low-Cost Detection of SARS-CoV-2 Biomarker Antibodies. Surfaces, 2022, 5, 187-201.	1.0	15
9	Novel application of sub-Antarctic macroalgae as zinc oxide nanoparticles biosynthesizers. Materials Letters, 2022, 320, 132341.	1.3	2
10	Direct Laser Writing of Poly(furfuryl Alcohol)/Graphene Oxide Electrodes for Electrochemical Determination of Ascorbic Acid. ChemElectroChem, 2022, 9, .	1.7	9
11	Evaluation and characterization of algal biomass applied to the development of fingermarks on glass surfaces. Australian Journal of Forensic Sciences, 2021, 53, 337-346.	0.7	13
12	In vitro efficacy of commercial and experimental proteolytic enzymeâ€based whitening dentifrices on enamel whitening and superficial roughness. Journal of Esthetic and Restorative Dentistry, 2021, 33, 849-855.	1.8	11
13	Influence of Nb2O5 crystal structure on photocatalytic efficiency. Chemical Physics Letters, 2021, 764, 138271.	1.2	27
14	Chitosan in Eucalyptus grandis Pyroligneous Liquor for Agricultural Application: Physicochemical and Structural Characterization During Storage. Journal of Polymers and the Environment, 2021, 29, 1591-1599.	2.4	2
15	Facile preparation of a novel biomass-derived H3PO4 and Mn(NOâ‚ƒ)â‚‚ activated carbon from citrus bergamia peels for high-performance supercapacitors. Materials Today Communications, 2021, 26, 101779.	0.9	12
16	Monofunctional curcumin analogues: evaluation of green and safe developers of latent fingerprints. Chemical Papers, 2021, 75, 3119-3129.	1.0	9
17	Synthesis of LiNbO3 nanocrystals by microwave-assisted hydrothermal method: formation mechanism and application to hydrogen evolution reaction. Chemical Papers, 2021, 75, 3807-3815.	1.0	8
18	Preparation of fluorescent bisamides: A new class of fingermarks developers. Chemical Data Collections, 2021, 33, 100680.	1.1	3

#	Article	IF	Citations
19	Fluorescent phenylthiazoles: Application as latent fingermark and their cytotoxicity against NOK-SI cell line. Chemical Data Collections, 2021, 33, 100700.	1.1	2
20	Vanadium effect over Î³-Al2O3-supported Ni catalysts for valorization of glycerol. Fuel Processing Technology, 2021, 216, 106773.	3.7	8
21	Effect of carbon nanotubes functionalization on properties of their nanocomposites with polycarbonate/poly(acrylonitrileâ€butadieneâ€styrene) matrix. Journal of Applied Polymer Science, 2021, 138, 50471.	1.3	2
22	Synthesis, characterization and in vitro antimicrobial prospecting of silver-doped ceria. Journal of Thermal Analysis and Calorimetry, 2020, 139, 849-854.	2.0	2
23	Cellulosic material obtained from Antarctic algae biomass. Cellulose, 2020, 27, 113-126.	2.4	25
24	Fabrication of electrospun poly(lactic acid) nanoporous membrane loaded with niobium pentoxide nanoparticles as a potential scaffold for biomaterial applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1559-1567.	1.6	10
25	Application of Al2O3/AlNbO4 in the oxidation of aniline to azoxybenzene. Chemical Papers, 2020, 74, 543-553.	1.0	6
26	Biofilms of cellulose and hydroxyapatite composites: Alternative synthesis process. Journal of Bioactive and Compatible Polymers, 2020, 35, 469-478.	0.8	4
27	Peering into the Formation of Template-Free Hierarchical Flowerlike Nanostructures of SrTiO₃. ACS Omega, 2020, 5, 33007-33016.	1.6	5
28	Electrochemical supercapacitors based on 3D nanocomposites of reduced graphene oxide/carbon nanotube and ZnS. Journal of Alloys and Compounds, 2020, 836, 155408.	2.8	21
29	Oxidation of terpenic alcohols with hydrogen peroxide promoted by Nb2O5 obtained by microwave-assisted hydrothermal method. Molecular Catalysis, 2020, 489, 110941.	1.0	13
30	Rare earth-doped lead titanate zirconate grown on carbon fibers by microwave-assisted hydrothermal synthesis. Journal of Composite Materials, 2019, 53, 373-382.	1.2	0
31	Niobium pentoxide and hydroxyapatite particle loaded electrospun polycaprolactone/gelatin membranes for bone tissue engineering. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110386.	2.5	34
32	Microwave-assisted hydrothermal synthesis and electrochemical characterization of niobium pentoxide/carbon nanotubes composites. Journal of Materials Research, 2019, 34, 592-599.	1.2	11
33	Tunable graphene oxide inter-sheet distance to obtain graphene oxideâ€“silver nanoparticle hybrids. New Journal of Chemistry, 2019, 43, 1285-1290.	1.4	11
34	Renewable supercapacitors based on cellulose/carbon nanotubes/[Bmim] [NTf2] ionic liquid. MRS Communications, 2019, 9, 726-729.	0.8	6
35	Fast and simultaneous doping of Sr0.9â^'â^'â^'Ca0.1In2O4:(xEu3+, yTm3+, zTb3+) superstructure by ultrasonic spray pyrolysis. Ultrasonics Sonochemistry, 2019, 56, 14-24.	3.8	11
36	Preparation, characterization, and biocompatibility of different metal oxide/PEG-based hybrid coating synthesized by solâ€“gel dip coating method for surface modification of titanium. Progress in Organic Coatings, 2019, 130, 206-213.	1.9	23

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37	Mechanical characterization of HDPE reinforced with cellulose from rice husk biomass. Polimeros, 2019, 29, .	0.2	7
38	A Simple and Complete Supercapacitor Characterization System Using a Programmable Sourcemeter. Orbital, 2019, 11, .	0.1	0
39	Dataset on cellulose nanoparticles from blue agave bagasse and blue agave leaves. Data in Brief, 2018, 18, 150-155.	0.5	0
40	Flexible cellulose-carbon nanotube paper substrate decorated with PZT: sensor properties. MRS Advances, 2018, 3, 31-36.	0.5	3
41	Feasible and Clean Solid-Phase Synthesis of LiNbO₃ by Microwave-Induced Combustion and Its Application as Catalyst for Low-Temperature Aniline Oxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 1680-1691.	3.2	15
42	Production of cellulose nanoparticles from blue agave waste treated with environmentally friendly processes. Carbohydrate Polymers, 2018, 183, 294-302.	5.1	63
43	Carbon fiber/epoxy composites: effect of zinc sulphide coated carbon nanotube on thermal and mechanical properties. Polymer Bulletin, 2018, 75, 1619-1633.	1.7	26
44	Radiopaque dental adhesive with addition of niobium pentoxide nanoparticles. Polymer Bulletin, 2018, 75, 2301-2314.	1.7	10
45	ObtenÃ§Ã£o de compÃ³sito com matriz de acetato de celulose e partÃculas de prata para aplicaÃ§Ãµes antimicrobianas. Revista Materia, 2018, 23, .	0.1	0
46	Physical and Biological Properties of a High-Plasticity Tricalcium Silicate Cement. BioMed Research International, 2018, 2018, 1-6.	0.9	17
47	Advances in Nanostructured Cellulose-based Biomaterials. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.2	16
48	Low temperature liquid phase catalytic oxidation of aniline promoted by niobium pentoxide micro and nanoparticles. Catalysis Communications, 2017, 99, 135-140.	1.6	25
49	Physicochemical properties of nanocomposite films made from sorghumâ€oxidized starch and nanoclay. Starch/Staerke, 2017, 69, 1700079.	1.1	6
50	Histological Evaluation of Bone Repair with Hydroxyapatite: A Systematic Review. Calcified Tissue International, 2017, 101, 341-354.	1.5	77
51	Flexible composite via rapid titania coating by microwave-assisted hydrothermal synthesis. Bulletin of Materials Science, 2017, 40, 499-504.	0.8	3
52	Antimicrobial activity from polymeric composites-based polydimethylsiloxane/TiO2/GO: evaluation of filler synthesis and surface morphology. Polymer Bulletin, 2017, 74, 2379-2390.	1.7	11
53	From banana stem to conductive paper: A capacitive electrode and gas sensor. Sensors and Actuators B: Chemical, 2017, 240, 459-467.	4.0	25
54	Metal-Carbon Interactions on Reduced Graphene Oxide under Facile Thermal Treatment: Microbiological and Cell Assay. Journal of Nanomaterials, 2017, 2017, 1-10.	1.5	9

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55	Nano and Micro Ceramic Membranes from Degradable Templates. Materials Research, 2016, 19, 1017-1025.	0.6	1
56	Cellulose Nanocrystal Membranes as Excipients for Drug Delivery Systems. Materials, 2016, 9, 1002.	1.3	43
57	Electrochemical Cathodic Polarization, a Simplified Method That Can Modified and Increase the Biological Activity of Titanium Surfaces: A Systematic Review. PLoS ONE, 2016, 11, e0155231.	1.1	5
58	ZrTiO4 Nanowire Growth Using Membrane-assisted Pechini Route. Orbital, 2016, 1, .	0.1	1
59	Comparing different methods to fix and to dehydrate cells on alginate hydrogel scaffolds using scanning electron microscopy. Microscopy Research and Technique, 2015, 78, 553-561.	1.2	24
60	CompÃ³sitos cimentÃcios reforÃ§ados com fibras de eucalipto puras e tratadas com tetraetilortossilicato (TEOS 98%). Ambiente ConstruÃdo, 2015, 15, 47-55.	0.2	3
61	Films based on oxidized starch and cellulose from barley. Carbohydrate Polymers, 2015, 133, 644-653.	5.1	80
62	Adsorbent 2D and 3D carbon matrices with protected magnetic iron nanoparticles. Nanoscale, 2015, 7, 17441-17449.	2.8	14
63	Structure, morphology and functionality of acetylated and oxidised barley starches. Food Chemistry, 2015, 168, 247-256.	4.2	156
64	Effect of shelf-life simulation on the bond strength of self-etch adhesive systems to dentin. Applied Adhesion Science, 2014, 2, .	1.5	10
65	Influence of the NiO nanoparticles on the ionic conductivity of the agar-based electrolyte. Polimeros, 2014, 24, 8-12.	0.2	10
66	MgAl2O4 spinel particles prepared by metalâ€“chitosan complexation route and used as catalyst support for direct decomposition of methane. Journal of Molecular Catalysis A, 2013, 370, 22-27.	4.8	19
67	Preparation, Modification, and Characterization of Alginate Hydrogel with Nano-/Microfibers: A New Perspective for Tissue Engineering. BioMed Research International, 2013, 2013, 1-6.	0.9	12
68	Cobalt magnetic nanoparticles embedded in carbon matrix: biofunctional validation. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	0
69	YbF3/SiO2 Fillers as Radiopacifiers in a Dental Adhesive Resin. Nano-Micro Letters, 2012, 4, 189-196.	14.4	11
70	Synthesis, characterization and catalytic properties of nanocrystaline Y2O3-coated TiO2 in the ethanol dehydration reaction. Materials Research, 2012, 15, 285-290.	0.6	7
71	Nanoâ€microfiber scaffold for tissue engineering: Physical and biological properties. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3051-3058.	2.1	12
72	Interfacial photoluminescence emission properties of core/shell Al₂O₃/ZrO₂. CrystEngComm, 2012, 14, 393-396.	1.3	14

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73	A novel synthetic route for magnesium aluminate (MgAl2O4) particles using metalâ€“chitosan complexation method. Chemical Engineering Journal, 2012, 193-194, 211-214.	6.6	25
74	Direct decomposition of methane over Ni catalyst supported in magnesium aluminate. Journal of Power Sources, 2012, 208, 409-414.	4.0	50
75	YbF3/SiO2 Fillers as Radiopacifiers in a Dental Adhesive Resin. , 2012, 4, 189.		1
76	Photoactive thin films of polycaprolactam doped with europium (III) complex using phenylalanine as ligand. Applied Surface Science, 2011, 258, 1437-1442.	3.1	7
77	Active carbon preparation from treads of tire waste for dye removal in waste water. Journal of the Brazilian Chemical Society, 2011, 22, 2027-2035.	0.6	24
78	Temperature and reaction time effects on the structural properties of titanium dioxide nanopowders obtained via the hydrothermal method. Brazilian Journal of Chemical Engineering, 2011, 28, 265-272.	0.7	38
79	Methane conversion to hydrogen and nanotubes on Pt/Ni catalysts supported over spinel MgAl2O4. Catalysis Today, 2011, 176, 465-469.	2.2	41
80	Preparation, characterization and catalytic properties of titanium oxide nanoparticles coated with aluminum oxide. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 75-83.	0.8	4
81	Influence of support on catalytic behavior of nickel catalysts in the steam reforming of ethanol for hydrogen production. Environmental Chemistry Letters, 2010, 8, 79-85.	8.3	37
82	Gadolinium-doped cerium oxide nanorods: novel active catalysts for ethanol reforming. Journal of Materials Science, 2010, 45, 593-598.	1.7	32
83	Water Content in Self-Etching Primers Affects Their Aggressiveness and Strength of Bonding to Ground Enamel. Journal of Adhesion, 2010, 86, 939-952.	1.8	11
84	SnO2 nanoparticles functionalized in amorphous silica and glass. Powder Technology, 2009, 195, 91-95.	2.1	4
85	Nickelâ€“carbon nanocomposites prepared using castor oil as precursor: A novel catalyst for ethanol steam reforming. Journal of Power Sources, 2009, 188, 527-531.	4.0	14
86	Carbon-coated SnO2 nanobelts and nanoparticles by single catalytic step. Journal of Nanoparticle Research, 2009, 11, 955-963.	0.8	6
87	Synthesis of hybrid mesoporous spheres using the chitosan as template. Journal of Non-Crystalline Solids, 2009, 355, 860-866.	1.5	45
88	Nanofiller loading level: Influence on selected properties of an adhesive resin. Journal of Dentistry, 2009, 37, 331-335.	1.7	49
89	Influence of Rare Earth Doping on the Structural and Catalytic Properties of Nanostructured Tin Oxide. Nanoscale Research Letters, 2008, 3, .	3.1	30
90	Preparation of glutamine films on silicon substrates. Surface and Interface Analysis, 2008, 40, 899-905.	0.8	2

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91	Synthesis of titania/carbon nanocomposites by polymeric precursor method. Journal of Physics and Chemistry of Solids, 2008, 69, 1897-1904.	1.9	6
92	Preparation and evaluation of Co/Al2O3 catalysts in the production of hydrogen from thermo-catalytic decomposition of methane: Influence of operating conditions on catalyst performance. Fuel, 2008, 87, 1698-1704.	3.4	63
93	NanocompÃ³sitos cerÃ¢micos a partir do processo de moagem mecÃ¢nica de alta energia. Quimica Nova, 2008, 31, 962-968.	0.3	0
94	ObtenÃ§Ã£o e caracterizaÃ§Ã£o de carbono ativado a partir de resÃduos provenientes de bandas de rodagem. Polimeros, 2007, 17, 329-333.	0.2	8
95	Catalyst nanocomposites templates of carbon nanoribbons, nanospheres and nanotubes. Materials Letters, 2007, 61, 3341-3344.	1.3	3
96	Hydrogen Production from Ethanol Steam Reforming Over Ni/CeO2 Nanocomposite Catalysts. Catalysis Letters, 2007, 119, 228-236.	1.4	44
97	Preparation and evaluation of porous nickel-alumina spheres as catalyst in the production of hydrogen from decomposition of methane. Journal of Molecular Catalysis A, 2006, 259, 328-335.	4.8	24
98	Ni:CeO2 nanocomposite catalysts prepared by polymeric precursor method. Applied Catalysis A: General, 2006, 310, 174-182.	2.2	34
99	Kinetic and calorimetric study of the adsorption of dyes on mesoporous activated carbon prepared from coconut coir dust. Journal of Colloid and Interface Science, 2006, 298, 515-522.	5.0	151
100	Synthesis of mesoporous Al2O3 macrospheres using the biopolymer chitosan as a template: A novel active catalyst system for CO2 reforming of methane. Materials Letters, 2005, 59, 3963-3967.	1.3	61
101	SÃntese e caracterizaÃ§Ã£o de nanocompÃ³sitos Ni: SiO2 processados na forma de filmes finos. Quimica Nova, 2005, 28, 842-846.	0.3	2
102	Gas-phase selective conjugate addition of methanol to acetone for methyl vinyl ketone over SnO2 nanoparticle catalysts. Journal of the Brazilian Chemical Society, 2005, 16, 607-613.	0.6	4
103	FotoluminescÃªncia e adsorÃ§Ã£o de CO2 em nanopartÃculas de CaTiO3 dopadas com lantÂ¢nio. Quimica Nova, 2004, 27, 862-865.	0.3	10
104	Processing effects of nanometric rare earth-doped tin oxides on the synthesis of methyl vinyl ketone. Reaction Kinetics and Catalysis Letters, 2004, 81, 211-217.	0.6	3
105	Selective synthesis of vinyl ketone over SnO2 nanoparticle catalysts doped with rare earths. Journal of Molecular Catalysis A, 2004, 207, 91-96.	4.8	52
106	Synthesis of Ni nanoparticles in microporous and mesoporous Al and Mg oxides. Microporous and Mesoporous Materials, 2004, 68, 151-157.	2.2	27
107	Magnetic properties of Ni:SiO 2 nanocomposites synthesized by a modified sol-gel method. Applied Physics A: Materials Science and Processing, 2003, 76, 621-623.	1.1	23
108	Role of vanadium in Ni:Al2O3 catalysts for carbon dioxide reforming of methane. Applied Catalysis A: General, 2003, 255, 211-220.	2.2	56

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109	Magnetic dynamics of single-domain Ni nanoparticles. Journal of Applied Physics, 2003, 93, 6531-6533.	1.1	48
110	Synthesis of Metal-Oxide Matrix with Embedded Nickel Nanoparticles by a Bottom-up Chemical Process. Journal of Nanoscience and Nanotechnology, 2003, 3, 516-520.	0.9	2
111	Estudo microestrutural do catalisador Ni/gama-Al2O3: efeito da adiÃ§Ã£o de CeO2 na reforma do metano com diÃ³xido de carbono. Quimica Nova, 2003, 26, 648-654.	0.3	7
112	Evaluation of hair fiber hydration by differential scanning calorimetry, gas chromatography, and sensory analysis. Journal of Cosmetic Science, 2003, 54, 527-35.	0.1	10
113	Superparamagnetism and magnetic properties of Ni nanoparticles embedded inSiO2. Physical Review B, 2002, 66, .	1.1	210
114	Synthesis of Mesoporous Silica with Embedded Nickel Nanoparticles for Catalyst Applications. Journal of Nanoscience and Nanotechnology, 2002, 2, 89-94.	0.9	30
115	Application of Ni:SiO₂ Nanocomposite to Control the Carbon Deposition on the Carbon Dioxide Reforming of Methane. Journal of Nanoscience and Nanotechnology, 2002, 2, 491-494.	0.9	7
116	Development of Metalâ^'SiO2Nanocomposites in a Single-Step Process by the Polymerizable Complex Method. Chemistry of Materials, 2002, 14, 3722-3729.	3.2	53
117	SÃntese, caracterizaÃ§Ã£o e estudo das propriedades catalÃticas e magnÃ©ticas de nanopartÃculas de Ni dispersas em matriz mesoporosa de SiO2. Quimica Nova, 2002, 25, 935-942.	0.3	14
118	Amorphization and grain size effect on milled PbTiO 3 studied by Raman scattering and visible photoluminescence emission. Applied Physics A: Materials Science and Processing, 2002, 74, 787-789.	1.1	13
119	The influence of cation segregation on the methanol decomposition on nanostructured SnO2. Sensors and Actuators B: Chemical, 2002, 86, 185-192.	4.0	43
120	Photoluminescence in amorphous (PbLa)TiO3 thin films deposited on different substrates. Journal of Luminescence, 2002, 99, 85-90.	1.5	2
121	Photoluminescence in amorphous TiO 2 -PbO systems. Applied Physics A: Materials Science and Processing, 2001, 73, 567-569.	1.1	17
122	Photoluminescence of nanostructured PbTiO3 processed by high-energy mechanical milling. Applied Physics Letters, 2001, 78, 2148-2150.	1.5	57
123	Hydroxyapatite Synthesis and Covering of Titanium Surfaces by Dip-Coating Method. Brazilian Archives of Biology and Technology, 0, 64, .	0.5	3