

Edilson Benvenuto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6170879/publications.pdf>

Version: 2024-02-01

168
papers

4,392
citations

126708

33
h-index

149479

56
g-index

169
all docs

169
docs citations

169
times ranked

5316
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Congo red from aqueous solution by anilinepropylsilica xerogel. <i>Dyes and Pigments</i> , 2008, 76, 64-69.	2.0	214
2	Application of Brazilian pine-fruit shell as a biosorbent to removal of reactive red 194 textile dye from aqueous solution. <i>Journal of Hazardous Materials</i> , 2008, 155, 536-550.	6.5	152
3	Effect of the Support Size on the Properties of β -Galactosidase Immobilized on Chitosan: Advantages and Disadvantages of Macro and Nanoparticles. <i>Biomacromolecules</i> , 2012, 13, 2456-2464.	2.6	131
4	Rice husk ash as an adsorbent for purifying biodiesel from waste frying oil. <i>Fuel</i> , 2012, 92, 56-61.	3.4	131
5	Development of active biofilms of quinoa (<i>Chenopodium quinoa</i> W.) starch containing gold nanoparticles and evaluation of antimicrobial activity. <i>Food Chemistry</i> , 2015, 173, 755-762.	4.2	128
6	Study of Nanocrystalline β -Al ₂ O ₃ Produced by High-Pressure Compaction. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4278-4284.	1.2	124
7	Microencapsulation of gallic acid in chitosan, β -cyclodextrin and xanthan. <i>Industrial Crops and Products</i> , 2013, 46, 138-146.	2.5	119
8	Dry washing in biodiesel purification: a comparative study of adsorbents. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 558-563.	0.6	113
9	Infrared and thermogravimetric study of high pressure consolidation in alkoxide silica gel powders. <i>Journal of Non-Crystalline Solids</i> , 1997, 220, 195-201.	1.5	111
10	FTIR Study of Hydrogen and Carbon Monoxide Adsorption on Pt/TiO ₂ , Pt/ZrO ₂ , and Pt/Al ₂ O ₃ . <i>Langmuir</i> , 1999, 15, 8140-8146.	1.6	108
11	Adsorption of Cu(II) on <i>Araucaria angustifolia</i> wastes: Determination of the optimal conditions by statistic design of experiments. <i>Journal of Hazardous Materials</i> , 2007, 140, 211-220.	6.5	101
12	Tuning the oxygen vacancy population of cerium oxide (CeO _{2-x} , 0 < x < 0.5) nanoparticles. <i>Applied Surface Science</i> , 2017, 422, 1102-1112.	3.1	76
13	Sol-gel thin-film based mesoporous silica and carbon nanotubes for the determination of dopamine, uric acid and paracetamol in urine. <i>Talanta</i> , 2013, 116, 726-735.	2.9	71
14	Use of statistical design of experiments to evaluate the sorption capacity of 1,4-diazoniabicyclo[2.2.2]octane/silica chloride for Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 240-248.	2.3	70
15	FTIR thermal analysis on organofunctionalized silica gel. <i>Journal of the Brazilian Chemical Society</i> , 2001, 12, 159-164.	0.6	65
16	Encapsulation of the phenolic compounds of the blackberry (<i>Rubus fruticosus</i>). <i>LWT - Food Science and Technology</i> , 2014, 58, 527-533.	2.5	64
17	Ionic silica based hybrid material containing the pyridinium group used as an adsorbent for textile dye. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 10-20.	5.0	63
18	Meldola blue immobilized on a new SiO ₂ /TiO ₂ /graphite composite for electrocatalytic oxidation of NADH. <i>Electrochimica Acta</i> , 2008, 53, 4167-4175.	2.6	56

#	ARTICLE	IF	CITATIONS
19	Magnetic biocatalysts of pectinase and cellulase: Synthesis and characterization of two preparations for application in grape juice clarification. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 35-44.	3.6	55
20	Mesoporous Nb ₂ O ₅ /SiO ₂ material obtained by sol-gel method and applied as adsorbent of crystal violet dye. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 566-578.	1.2	53
21	Highly stable novel silica/chitosan support for Î²-galactosidase immobilization for application in dairy technology. <i>Food Chemistry</i> , 2018, 246, 343-350.	4.2	52
22	Direct decomposition of nitric oxide on alumina-modified amorphous and mesoporous silica-supported palladium catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 246, 33-38.	4.8	50
23	4-Phenylenediaminepropylsilica xerogel as a sorbent for copper determination in waters by slurry-sampling ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 376-380.	1.6	46
24	Materiais hÍbridos Å base de sÍlica obtidos pelo mÍtodo sol-gel. <i>Quimica Nova</i> , 2009, 32, 1926-1933.	0.3	46
25	Gold nanoparticle/charged silsesquioxane films immobilized onto Al/SiO ₂ surface applied on the electrooxidation of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3703-3713.	1.2	41
26	Silica-supported guanidine catalyst for continuous flow biodiesel production. <i>Green Chemistry</i> , 2011, 13, 3111.	4.6	40
27	Methylene blue immobilized on cellulose acetate with titanium dioxide: an application as sensor for ascorbic acid. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 943-949.	0.6	39
28	A new InÍ-SiO ₂ composite catalyst in the solvent-free multicomponent synthesis of Ca ²⁺ channel blockers nifedipine and nemadipine B. <i>New Journal of Chemistry</i> , 2012, 36, 1502.	1.4	39
29	MWCNT/zirconia porous composite applied as electrochemical sensor for determination of methyl parathion. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110583.	2.2	39
30	Immobilization of pectinase on chitosan-magnetic particles: Influence of particle preparation protocol on enzyme properties for fruit juice clarification. <i>Biotechnology Reports (Amsterdam)</i> , Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 29		
31	Use of statistical design of experiments to evaluate the sorption capacity of 7-amine-4-azaheptylsilica and 10-amine-4-azadecylsilica for Cu(II), Pb(II), and Fe(III) adsorption. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 396-407.	5.0	36
32	Modulation of the ESIPT Emission of Benzothiazole Type Dye Incorporated in Silica-Based Hybrid Materials. <i>Langmuir</i> , 2009, 25, 13219-13223.	1.6	34
33	Silica grafted with a silsesquioxane containing the positively charged 1,4-diazoniabicyclo[2.2.2]octane group used as adsorbent for anionic dye removal. <i>Desalination</i> , 2010, 258, 128-135.	4.0	34
34	Synthesis, Characterization, and Spectroscopic Investigation of Benzoxazole Conjugated Schiff Bases. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13390-13398.	1.1	33
35	Pore size effect in the amount of immobilized enzyme for manufacturing carbon ceramic biosensor. <i>Microporous and Mesoporous Materials</i> , 2017, 247, 95-102.	2.2	33
36	Synthesis of silica xerogels with highly distinct morphologies in the presence of imidazolium ionic liquids. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 71-77.	1.1	32

#	ARTICLE	IF	CITATIONS
37	Magnetic silica/titania xerogel applied as electrochemical biosensor for catechol and catecholamines. <i>Electrochimica Acta</i> , 2018, 264, 319-328.	2.6	32
38	Brilliant yellow dye immobilized on silica and silica/titania based hybrid xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane: Preparation, characterization and electrochemical properties study. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 273-283.	2.2	31
39	Preparation, characterization of titanate nanosheet/pozzolan nanocomposite and its use as an adsorbent for removal of diclofenac from simulated hospital effluents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 321-329.	2.7	31
40	Synthesis and applications of functionalized silsesquioxane polymers attached to organic and inorganic matrices. <i>Pure and Applied Chemistry</i> , 2008, 80, 1593-1611.	0.9	30
41	Characterization of cyclodextrin glycosyltransferase immobilized on silica microspheres via aminopropyltrimethoxysilane as a spacer arm. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 78, 51-56.	1.8	30
42	Mesoporous chitosan/silica hybrid material applied for development of electrochemical sensor for paracetamol in presence of dopamine. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 109-118.	2.2	30
43	A novel electrochemical platform based on mesoporous silica/titania and gold nanoparticles for simultaneous determination of norepinephrine and dopamine. <i>Materials Science and Engineering C</i> , 2021, 120, 111646.	3.8	29
44	Antimony(V) oxide grafted onto a silica gel surface: acidic properties and thermal stability. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 3193.	1.7	28
45	Niobium oxide dispersed on a carbon/ceramic matrix, SiO ₂ /C/Nb ₂ O ₅ , used as an electrochemical ascorbic acid sensor. <i>Talanta</i> , 2010, 83, 241-248.	2.9	28
46	FTIR Thermal Analysis on Anilinepropylsilica Xerogel. <i>Magyar Árvizsgáló és Vizsgáló Közlöny</i> , 2002, 68, 199-206.	1.4	27
47	Effects of organic content and H ₂ O/TEOS molar ratio on the porosity and pore size distribution of hybrid naphthaleneaminepropylsilica xerogel. <i>Journal of Non-Crystalline Solids</i> , 2004, 337, 201-206.	1.5	27
48	Surfactant-Based Dispersant for Multiwall Carbon Nanotubes to Prepare Ceramic Composites by a Sol-Gel Method. <i>Langmuir</i> , 2012, 28, 1447-1452.	1.6	27
49	Dabco/silica sol-gel hybrid material. The influence of the morphology on the CdCl ₂ adsorption capacity. <i>Materials Letters</i> , 2004, 58, 895-898.	1.3	26
50	FTIR study of the electronic metal-support interactions on platinum dispersed on silica modified with titania. <i>Surface and Interface Analysis</i> , 2002, 33, 631-634.	0.8	25
51	Anisotropic self-organization of hybrid silica based xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane chloride group. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 96-102.	5.0	25
52	Structure and electrochemical property of the cobalt(II) hexacyanoferrate complex immobilized on Sn(IV) oxide coated on silica gel surface. <i>Electrochimica Acta</i> , 1994, 39, 33-36.	2.6	24
53	Fluorescent silica hybrid materials containing benzimidazole dyes obtained by sol-gel method and high pressure processing. <i>Materials Chemistry and Physics</i> , 2011, 126, 97-101.	2.0	24
54	Comparison between pre-fractionation and fractionation process of heavy gas oil for determination of sulfur compounds using comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2013, 1274, 165-172.	1.8	24

#	ARTICLE	IF	CITATIONS
55	X-Ray photoelectron spectroscopy and Mössbauer spectroscopy study of iron(III) and antimony(V) oxides grafted onto a silica gel surface. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1325-1327.	2.0	23
56	Cobalt(II) hematoporphyrin IX and protoporphyrin IX complexes immobilized on highly dispersed titanium(IV) oxide on a cellulose microfibril surface: electrochemical properties and dissolved oxygen reduction study. <i>Journal of Electroanalytical Chemistry</i> , 2002, 523, 64-69.	1.9	23
57	3-n-propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride/silica hybrid polymer. A morphologic study in relation to the organic content. <i>Polymer</i> , 2003, 44, 5521-5525.	1.8	23
58	Nanostructure-coated diclofenac-loaded microparticles: preparation, morphological characterization, in vitro release and in vivo gastrointestinal tolerance. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1233-1240.	0.6	23
59	Use of 7-amine-4-azaheptylsilica and 10-amine-4-azadecylsilica xerogels as adsorbent for Pb(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 316, 297-306.	2.3	23
60	Drug-loaded mesoporous silica on carboxymethyl cellulose hydrogel: Development of innovative 3D printed hydrophilic films. <i>International Journal of Pharmaceutics</i> , 2022, 620, 121750.	2.6	23
61	Synthesis of a Thermally Stable Silica/p-Anisidine Sol-Gel Powdered Material. <i>Journal of Colloid and Interface Science</i> , 2001, 241, 413-416.	5.0	22
62	3-n-Propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride Silsesquioxane: A New Water Soluble Polymer. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 28, 51-56.	1.1	22
63	Iron acetylacetonate complex anchored on silica xerogel polymer. <i>Reactive and Functional Polymers</i> , 2005, 63, 135-141.	2.0	22
64	Synthesis of ORMOSIL silica/rhodamine 6G: Powders and compacts. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 24-30.	1.5	22
65	Directed immobilization of CGTase: The effect of the enzyme orientation on the enzyme activity and its use in packed-bed reactor for continuous production of cyclodextrins. <i>Process Biochemistry</i> , 2017, 58, 120-127.	1.8	22
66	Evidence for excited state intramolecular charge transfer in benzazole-based pseudo-stilbenes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10994.	1.3	21
67	Silver nanoparticle-ionic silsesquioxane: a new system proposed as an antibacterial agent. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1079-1086.	2.9	21
68	Covalently immobilized indium(III) composite (In/SiO ₂) as highly efficient reusable catalyst for A ₃ -coupling of aldehydes, alkynes and amines under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2015, 399, 71-78.	4.8	21
69	Pressure-induced changes on the optical properties and microstructure of silica-gel matrices doped with rhodamine 6G. <i>Optical Materials</i> , 2005, 27, 1819-1824.	1.7	20
70	Nanocapsule@xerogel microparticles containing sodium diclofenac: A new strategy to control the release of drugs. <i>International Journal of Pharmaceutics</i> , 2008, 358, 292-295.	2.6	20
71	Immobilization of β ² -Galactosidases on Magnetic Nanocellulose: Textural, Morphological, Magnetic, and Catalytic Properties. <i>Biomacromolecules</i> , 2019, 20, 2315-2326.	2.6	20
72	The influence of Na ⁺ on the anilinepropylsilica xerogel synthesis by using the fluoride nucleophilic catalyst. <i>Colloid and Polymer Science</i> , 2003, 281, 173-177.	1.0	19

#	ARTICLE	IF	CITATIONS
73	Structure and property studies of hybrid xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane dichloride. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 244-250.	5.0	19
74	TiO ₂ and TiO ₂ /SiO ₂ nanoparticles obtained by sol-gel method and applied on dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 273-281.	1.1	19
75	Heterogeneous gold nanocatalyst applied in the synthesis of 2-aryl-2,3-dihydroquinazolin-4(1H)-ones. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124455.	2.3	19
76	A Sol-Gel Synthesis for Thermally Stable Aniline/Silica Material. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 23, 129-133.	1.1	18
77	Multicomponent Synthesis of 3,4-Dihydropyrimidin-2-(1H)-Ones with a Cu/Silica Xerogel Composite Catalyst. <i>Letters in Organic Chemistry</i> , 2007, 4, 39-42.	0.2	18
78	Synthesis of silica xerogels with high surface area using acetic acid as catalyst. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 886-890.	0.6	18
79	Small gold nanoparticles with narrow size distribution achieved in SBA-15 pores by using ionic silsesquioxane instead of thiol group as stabilizer and adhesion agent. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 48-56.	2.2	18
80	A characterization study of xerogel silicapropylaniline powders. <i>Journal of Non-Crystalline Solids</i> , 2002, 311, 54-60.	1.5	17
81	Cellulose acetate-Al ₂ O ₃ hybrid material coated with N-Propyl-1,4-diazabicyclo [2.2.2] octane chloride: preparation, characterization and study of some metal halides adsorption from ethanol solution. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 147-152.	0.6	17
82	Nanoparticle-coated organic-inorganic microparticles: experimental design and gastrointestinal tolerance evaluation. <i>Quimica Nova</i> , 2006, 29, 990-996.	0.3	17
83	Surface morphology of spray-dried nanoparticle-coated microparticles designed as an oral drug delivery system. <i>Brazilian Journal of Chemical Engineering</i> , 2008, 25, 389-398.	0.7	17
84	Tuning Anatase-Rutile Phase Transition Temperature: TiO ₂ /SiO ₂ Nanoparticles Applied in Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-9.	1.4	17
85	Silica-titania sol-gel hybrid materials: synthesis, characterization and potential application in solid phase extraction. <i>Talanta</i> , 2003, 59, 1039-1044.	2.9	16
86	Charged silsesquioxane used as a vehicle for gold nanoparticles to perform the synthesis of catalyst xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 258-265.	1.1	16
87	Effects of immobilization, pH and reaction time in the modulation of $\hat{1}$, $\hat{2}$ - or $\hat{3}$ -cyclodextrins production by cyclodextrin glycosyltransferase: Batch and continuous process. <i>Carbohydrate Polymers</i> , 2017, 169, 41-49.	5.1	16
88	One-step purification of a recombinant beta-galactosidase using magnetic cellulose as a support: Rapid immobilization and high thermal stability. <i>Bioresource Technology</i> , 2022, 345, 126497.	4.8	16
89	Anilinepropylsilica xerogel used as a selective Cu (II) adsorbent in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 688-691.	5.0	15
90	Adsorption of CoCl ₂ , ZnCl ₂ and CdCl ₂ on aniline/silica hybrid material obtained by sol-gel method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 226, 95-100.	2.3	15

#	ARTICLE	IF	CITATIONS
91	Use of 1,3-diaminepropane-3-propyl grafted onto a silica gel as a sorbent for flow-injection spectrophotometric determination of copper (II) in digests of biological materials and natural waters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 398-406.	2.0	15
92	Cationic dyes immobilized on cellulose acetate surface modified with titanium dioxide: factorial design and an application as sensor for NADH. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1462-1472.	0.6	15
93	Ionic silsesquioxane film immobilized on silica applied in the development of carbon paste electrode for determination of methyl parathion. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 282-289.	1.1	15
94	Mesoporous silica xerogel modified with bridged ionic silsesquioxane used to immobilize copper tetrasulfonated phthalocyanine applied to electrochemical determination of dopamine. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2095-2105.	1.2	15
95	Heterogeneous polarity and surface acidity of silica-organic materials with fixed 1-n-propyl-3-methylimidazolium chloride as probed by solvatochromic and fluorescent dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 280-286.	2.3	15
96	Effect of microwave irradiation on the structural, chemical, and hydrophilicity characteristics of ordered mesoporous silica SBA-15. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 94, 708-718.	1.1	15
97	Synthesis of magnetic nanoparticles functionalized with histidine and nickel to immobilize His-tagged enzymes using β -galactosidase as a model. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 159-169.	3.6	15
98	High performance biocatalyst based on β -d-galactosidase immobilized on mesoporous silica/titania/chitosan material. <i>Food Chemistry</i> , 2021, 359, 129890.	4.2	15
99	NO decomposition on PdMo γ -Al ₂ O ₃ catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 201, 247-261.	4.8	14
100	Hybrid aniline/silica xerogel cation adsorption and thermodynamics of interaction. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 386-391.	5.0	14
101	Solid phase extraction of petroleum carboxylic acids using a functionalized alumina as stationary phase. <i>Journal of Separation Science</i> , 2012, 35, 1044-1049.	1.3	14
102	Influence of ball milling on textural and morphological properties of TiO ₂ and TiO ₂ /SiO ₂ xerogel powders applied in photoanodes for solar cells. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1731-1741.	1.2	13
103	Strategy to control the amount of titania dispersed on SBA-15 surface preserving its porosity, aiming to develop a sensor for electrochemical evaluation of antibiotics. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 203-210.	2.2	13
104	Azul de metileno imobilizado na celulose/TiO ₂ e SiO ₂ /TiO ₂ : propriedades eletroquímicas e planejamento fatorial. <i>Química Nova</i> , 2006, 29, 208-212.	0.3	12
105	Gold nanoparticles enclosed in silica xerogels by high-pressure processing. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4987-4995.	0.8	12
106	Naphthenic acids recovery from petroleum using ionic silica based hybrid material as stationary phase in solid phase extraction (SPE) process. <i>Adsorption</i> , 2014, 20, 917-923.	1.4	12
107	Synthesis of silica modified with 1-methylimidazolium chloride by sol-gel method: A comparison between microwave radiation-assisted and conventional methods. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 209-214.	1.5	12
108	Application of cellulosic materials as supports for single-step purification and immobilization of a recombinant β -galactosidase via cellulose-binding domain. <i>International Journal of Biological Macromolecules</i> , 2022, 199, 307-317.	3.6	12

#	ARTICLE	IF	CITATIONS
109	Pyridine Used as a Probe for Internal Brønsted Acid Sites in Pyrochlore Antimony (V) Oxide: An Infrared Spectroscopy Study. <i>Applied Spectroscopy</i> , 1992, 46, 1474-1476.	1.2	11
110	Title is missing!. <i>Journal of Porous Materials</i> , 2002, 9, 307-311.	1.3	11
111	Evidências da formação de monocamada de Óxido de alumínio sobre sílica, através de reações de enxerto. <i>Química Nova</i> , 2005, 28, 393-396.	0.3	11
112	Graphene oxide quantum dots immobilized on mesoporous silica: preparation, characterization and electroanalytical application. <i>RSC Advances</i> , 2020, 10, 31305-31315.	1.7	11
113	Silver Nanoparticle Thin Films Deposited on Glass Surface Using an Ionic Silsesquioxane as Stabilizer and as Crosslinking Agent. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	10
114	Chitosan-stabilized gold nanoparticles supported on silica/titania magnetic xerogel applied as antibacterial system. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 333-342.	1.1	10
115	The role silica pore structure plays in the performance of modified carbon paste electrodes. <i>Ionics</i> , 2019, 25, 3259-3268.	1.2	10
116	Designing a Support for Lipase Immobilization Based On Magnetic, Hydrophobic, and Mesoporous Silica. <i>Langmuir</i> , 2020, 36, 10147-10155.	1.6	10
117	AgNP-decorated SBA-15 for MWCNT Paste Modified Electrode: A Sensor for Simultaneous Voltammetric Determination of Paracetamol and Sulfamethoxazole. <i>Electroanalysis</i> , 2021, 33, 29-37.	1.5	10
118	Comparative Study of Catalytic Oxidation of Ethanol to Acetaldehyde Using Fe(III) Dispersed on Sb ₂ O ₅ Grafted on SiO ₂ and on Untreated SiO ₂ Surfaces. <i>Journal of the Brazilian Chemical Society</i> , 1998, 9, 469-472.	0.6	9
119	A mathematical simulation of H ⁺ ion chemisorption by anilinepropylsilica xerogels. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 424-431.	5.0	9
120	Self-supported gold/chitosan nanocatalyst for chemoselective hydrogenation in Î-conjugated C C C O system. <i>Catalysis Communications</i> , 2018, 116, 32-37.	1.6	9
121	<i>Kluyveromyces lactis</i> Î-galactosidase immobilized on collagen: catalytic stability on batch and packed-bed reactor hydrolysis. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 583-599.	0.8	9
122	The gelation temperature effects in the anilinepropylsilica xerogel properties. <i>Materials Letters</i> , 2002, 55, 378-382.	1.3	8
123	Palladium(II) chemically bonded to silica surface applied to the separation and identification of polycyclic aromatic sulfur heterocycles in heavy oil. <i>Journal of Separation Science</i> , 2013, 36, 1636-1643.	1.3	8
124	7-Amino-4-azaheptyl Grafted onto a Silica Gel as a Sorbent for the On-line Preconcentration and Determination of Iron(III) in Water Samples. <i>Analytical Sciences</i> , 2005, 21, 573-577.	0.8	7
125	<i>p</i> -Nitroaniline/propylsilica: Synthesis, characterization, and its application in matrix solid phase dispersion for multiresidue analysis of pesticides in carrots. <i>Journal of Separation Science</i> , 2007, 30, 2109-2116.	1.3	7
126	Xerogel p-anisidinapropilsilica: estudo da estabilidade térmica e da resistência à lixiviação com solventes. <i>Química Nova</i> , 2002, 25, 563-566.	0.3	6

#	ARTICLE	IF	CITATIONS
127	The Effects of Temperature of Condensation on the Thermal Stability and Morphology of 1,4-Phenylenediamine-1-Propylsilica Xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 34, 189-195.	1.1	6
128	Silica-based hybrid films with double-charged diazoniabicyclo[2.2.2]octane chloride group: Preparation and optical properties related to transition layer structure. <i>Optical Materials</i> , 2010, 32, 1170-1176.	1.7	6
129	Redispersible spray-dried lipid-core nanocapsules intended for oral delivery: the influence of the particle number on redispersibility. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 414-425.	1.1	6
130	FeSbO ₄ phase formed at the surface of antimony(V) oxide grafted on silica gel. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1569.	1.7	5
131	Extração de Al(III), Cr(III) e Fe(III) de meio etanólico usando o xerogel anilina-propilsilica. <i>Quimica Nova</i> , 2004, 27, 730-733.	0.3	5
132	Effects of the high pressure on the morphology of silica-based hybrid xerogels. <i>High Pressure Research</i> , 2006, 26, 11-21.	0.4	5
133	An innovative series of layered nanostructured aminoalkylsilica hybrid material. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 737-743.	0.6	5
134	Photophysics of aminobenzazole dyes in silica-based hybrid materials. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 235-241.	1.1	5
135	Probing Silica-Organic Hybrid Materials Using Small Probes: Simulation of Adsorption Equilibria Influenced by Cooperativity Effects. <i>Adsorption Science and Technology</i> , 2014, 32, 305-320.	1.5	5
136	Physical-Chemical Properties of the Support Immobead 150 Before and After the Immobilization Process of Lipase. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	5
137	Synthesis and characterization of magnetic carbon nanotubes/silsesquioxane nanocomposite thin films. <i>Applied Surface Science</i> , 2016, 371, 9-15.	3.1	5
138	Copper Porphyrin Immobilized on MCM-41 Surface by Using Aminopropyl as Coupling Agent and Its Use in Electrochemical Oxygen Determination. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2518-2524.	1.9	5
139	New strategy to obtain high surface area anatase nanotube/AuNP photocatalyst. <i>Nanotechnology</i> , 2019, 30, 065604.	1.3	5
140	Strategy to isolate ionic gold sites on silica surface: Increasing their efficiency as catalyst for the formation of 1,3-diyne. <i>Applied Catalysis A: General</i> , 2020, 594, 117444.	2.2	5
141	An Electrochemical Sensor Based On Graphite Electrode Modified With Silica Containing 1-N-Propyl-3-Methylimidazolium Species For Determination Of Ascorbic Acid. <i>Methods and Objects of Chemical Analysis</i> , 2019, Vol. 14, No.1, 5-14.	0.4	5
142	High-pressure effects on nanometric hybrid xerogels, p-phenylenediamine/silica and p-anisidine/silica. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1053-1057.	1.1	4
143	A water soluble 3-n-propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride silsesquioxane grafted onto Al/SiO ₂ surface: chromium adsorption study. <i>Eletica Quimica</i> , 2006, 31, 53-58.	0.2	4
144	Silver bonded to silica gel applied to the separation of polycyclic aromatic sulfur heterocycles in heavy gas oil. <i>Journal of Chromatography A</i> , 2016, 1470, 104-110.	1.8	4

#	ARTICLE	IF	CITATIONS
145	Fluorescent mesoporous organosilicas containing 1,4-diureyl terephthalate moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 325, 22-28.	2.0	4
146	Ionic silsesquioxane-capped Au nanoparticle powders: Application in P3HT/PCBM solar cells and the effect of the capping layer on surface plasmon dumping. <i>Materials Chemistry and Physics</i> , 2018, 206, 204-212.	2.0	4
147	EPDM with Biochar, Carbon Black, Aramid Pulp and Ionic Liquid-compatible Aramid Pulp. <i>Fibers and Polymers</i> , 2021, 22, 1180-1188.	1.1	4
148	STABILIZATION STUDY OF TETRAMERIC <i>Kluyveromyces lactis</i> β -GALACTOSIDASE BY IMMOBILIZATION ON IMMOBEAD: THERMAL, PHYSICO-CHEMICAL, TEXTURAL AND CATALYTIC PROPERTIES. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1403-1417.	0.7	4
149	Estudo por espectroscopia no infravermelho da intera \tilde{c} o metal-suporte em Pt/TiO ₂ . A influ \tilde{a} ncia da adsor \tilde{c} o de hidrog \tilde{e} nio. <i>Quimica Nova</i> , 1999, 22, 674-676.	0.3	4
150	Nickel-Functionalized Chitosan for the Oriented Immobilization of Histidine-Tagged Enzymes: A Promising Support for Food Bioprocess Applications. <i>Catalysis Letters</i> , 2022, 152, 2956-2970.	1.4	4
151	Estudo do efeito do cloreto em catalisadores de pal \tilde{a} dio usando a an \tilde{a} lise no infravermelho e de fotoel \tilde{e} trons excitados por raios x. <i>Quimica Nova</i> , 2002, 25, 392-395.	0.3	3
152	Performance of three chemically- modified silica materials for solid phase extraction of polar compounds from aqueous solutions. <i>Journal of Separation Science</i> , 2003, 26, 1180-1184.	1.3	3
153	Stable and solid pellets of functionalized multi-walled carbon nanotubes produced under high pressure and temperature. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	3
154	Magnetically Responsive Silica Hollow Spheres: Straightforward Synthesis of Accessible Micro \tilde{e} Sized Containers. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800160.	1.2	3
155	High-grade MWCNT/ZrO ₂ composites prepared by sol \tilde{e} gel method and high-pressure technique (4.0 \tilde{e} %CPa): mechanically resistant, porous, and conductive. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 348-358.	1.1	3
156	Efficient removal of chromium(VI) from dilute aqueous solutions using agro-industrial residue based on parboiled-rice husk ash. <i>Chemical Engineering Communications</i> , 2022, 209, 1096-1110.	1.5	3
157	A FTIR study of the metal-support interactions and hydrogen spillover on Pd/TiO ₂ and Ni/TiO ₂ . <i>Eletica Quimica</i> , 2002, 27, .	0.2	3
158	Activated Carbon from Rice Husk Biochar with High Surface Area. <i>Biointerface Research in Applied Chemistry</i> , 2020, 11, 10265-10277.	1.0	3
159	Mesoporous structured silica modified with niobium oxide and cobalt hematoporphyrin applied to the simultaneous electrochemical evaluation of oxalic and uric acids. <i>Journal of Sol-Gel Science and Technology</i> , 0, , 1.	1.1	2
160	Evidence for formation of the FeSbO ₄ phase at the surface of poreless silica. <i>Polyhedron</i> , 1998, 17, 1627-1630.	1.0	1
161	S \tilde{a} lica quimicamente modificada com os grupos p-anisidina, p-fenitidina e p-fenilenodiamina usada como adsorvente para Pb ²⁺ , Cu ²⁺ , Cd ²⁺ e Ni ²⁺ em solu \tilde{c} o aquosa e etan \tilde{a} lica. <i>Quimica Nova</i> , 2008, 31, 285-289.	0.3	1
162	Development of olefin epoxidation heterogeneous catalysts by the sol \tilde{e} gel and grafting methods. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 69-76.	1.1	1

#	ARTICLE	IF	CITATIONS
163	Mesoporous organic-inorganic hybrid material containing hydrosilylated soybean oil. Journal of Sol-Gel Science and Technology, 2016, 78, 457-464.	1.1	1
164	Silica/Titania Graphite Composite Modified with Chitosan and Tyrosinase Employed as a Sensitive Biosensor for Phenolic Compounds. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
165	Imidazo[1,2-a]pyridine A3-Coupling Catalyzed by a Cu/SiO ₂ Material. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
166	Response to the Letter to the Editor that was published in Dyes and Pigments 77 (2008) 481-482. Dyes and Pigments, 2009, 83, 266.	2.0	0
167	Electrochemical Behavior of Gold Nanoparticles Generated In Situ on 3-(1-imidazolyl)propylsilsesquioxane. Electroanalysis, 2013, 25, 2501-2506.	1.5	0
168	Magnetic and Mesoporous Silica-Niobia Material as Modifier of Carbon Paste Electrode for p-Nitrophenol Electrochemical Determination. Journal of the Brazilian Chemical Society, 0, , .	0.6	0