AntÃ³nio Fonseca

List of Publications by Year
in descending order

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95 papers	2,764 citations	159358 30 h-index	197535 49 g-index
95 all docs	95 docs citations	95 times ranked	3026 citing authors

#	Article	IF	Citations
1	Fe(III)-exchanged zeolites as efficient electrocatalysts for Fenton-like oxidation of dyes in aqueous phase. Journal of Environmental Chemical Engineering, 2022, 10, 107891.	3.3	17
2	Surface functionalization of zeolite-based drug delivery systems enhances their antitumoral activity in vivo. Materials Science and Engineering C, 2021, 120, 111721.	3.8	19
3	Oxidation of pollutants via an electro-Fenton-like process in aqueous media using ironâ€“zeolite modified electrodes. New Journal of Chemistry, 2021, 45, 12750-12757.	1.4	5
4	Electrochemical oxidation of diclofenac on CNT and M/CNT modified electrodes. New Journal of Chemistry, 2021, 45, 12622-12633.	1.4	7
5	Metal Ionâ€“Zeolite Materials against Resistant Bacteria, MRSA. Industrial & Engineering Chemistry Research, 2021, 60, 12883-12892.	1.8	9
6	Fenton-Type Bimetallic Catalysts for Degradation of Dyes in Aqueous Solutions. Catalysts, 2021, 11, 32.	1.6	8
7	Electrochemical oxidation of amoxicillin on carbon nanotubes and carbon nanotube supported metal modified electrodes. Catalysis Today, 2020, 357, 322-331.	2.2	15
8	Binuclear furanyl-azine metal complexes encapsulated in NaY zeolite as efficiently heterogeneous catalysts for phenol hydroxylation. Journal of Molecular Structure, 2020, 1206, 127687.	1.8	5
9	Photocatalytic performance of N-doped TiO2nano-SiO2-HY nanocomposites immobilized over cotton fabrics. Journal of Materials Research and Technology, 2019, 8, 1933-1943.	2.6	34
10	Synthesis, characterization and in vitro validation of a magnetic zeolite nanocomposite with T₂-MRI properties towards theranostic applications. Journal of Materials Chemistry B, 2019, 7, 3351-3361.	2.9	15
11	Encapsulation and characterisation of cationic benzo[a]phenoxazines in zeolite HY. New Journal of Chemistry, 2019, 43, 15785-15792.	1.4	7
12	Internalization studies on zeolite nanoparticles using human cells. Journal of Materials Chemistry B, 2018, 6, 469-476.	2.9	10
13	Modification of microfluidic paper-based devices with dye nanomaterials obtained by encapsulation of compounds in Y and ZSM5 zeolites. Sensors and Actuators B: Chemical, 2018, 261, 66-74.	4.0	13
14	Study of the Electroreactivity of Amoxicillin on Carbon Nanotubeâ€Supported Metal Electrodes. ChemCatChem, 2018, 10, 4900-4909.	1.8	7
15	Oxidation of Volatile Organic Compounds by Highly Efficient Metal Zeolite Catalysts. ChemCatChem, 2018, 10, 3754-3760.	1.8	11
16	Development of iridium porphyrin arrays by axial coordination through N-bidentate ligand: Synthesis and evaluation of the optical, electrochemical and thermal properties. Polyhedron, 2018, 154, 302-308.	1.0	5
17	Y zeolite-supported niobium pentoxide catalysts for the glycerol acetalization reaction. Microporous and Mesoporous Materials, 2018, 271, 243-251.	2.2	33
18	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. RSC Advances, 2017, 7, 13104-13111.	1.7	22

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19	Photocatalytic degradation of Rhodamine B dye by cotton textile coated with SiO2-TiO2 and SiO2-TiO2-HY composites. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 60-69.	2.0	74
20	Novel iridium-pentafluorophenyl porphyrin complex. Materials Letters, 2017, 200, 6-9.	1.3	4
21	Styrene Epoxidation Over Heterogeneous Manganese(III) Complexes. Archives of Metallurgy and Materials, 2016, 61, 1477-1482.	0.6	2
22	Highly efficient heterogeneous catalysts for phenol oxidation: Binuclear pyrrolyl-azine metal complexes encapsulated in NaY zeolite. Microporous and Mesoporous Materials, 2016, 227, 272-280.	2.2	27
23	Bromate reduction in water promoted by metal catalysts prepared over faujasite zeolite. Chemical Engineering Journal, 2016, 291, 199-205.	6.6	27
24	Microbial growth inhibition caused by Zn/Ag-Y zeolite materials with different amounts of silver. Colloids and Surfaces B: Biointerfaces, 2016, 142, 141-147.	2.5	43
25	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. Journal of Physical Chemistry C, 2015, 119, 3589-3595.	1.5	16
26	Mono and bimetallic NaY catalysts with high performance in nitrate reduction in water. Chemical Engineering Journal, 2015, 281, 411-417.	6.6	43
27	Highly efficient reduction of bromate to bromide over mono and bimetallic ZSM5 catalysts. Green Chemistry, 2015, 17, 4247-4254.	4.6	44
28	Preparation and assessment of antimicrobial properties of bimetallic materials based on NaY zeolite. RSC Advances, 2015, 5, 37188-37195.	1.7	23
29	In vitro and in vivo studies of temozolomide loading in zeolite structures as drug delivery systems for glioblastoma. RSC Advances, 2015, 5, 28219-28227.	1.7	29
30	Electrochemical oxidation of aniline at mono and bimetallic electrocatalysts supported on carbon nanotubes. Chemical Engineering Journal, 2015, 260, 309-315.	6.6	32
31	Norbornene Oxidation by Chiral Complexes Encapsulated in NaY Zeolite. Journal of Physical Chemistry C, 2014, 118, 19042-19050.	1.5	8
32	Oxidation of cyclohexanol and cyclohexene with triazenido complexes of chromium immobilized in biosorption FAU supports. Chemical Engineering Journal, 2014, 247, 134-141.	6.6	6
33	Nanocomposites of poly(Îµ-caprolactone) doped with titanium species. Journal of Materials Science, 2013, 48, 3578-3585.	1.7	6
34	Potentiation of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. Colloids and Surfaces B: Biointerfaces, 2013, 112, 237-244.	2.5	90
35	Copper(II)â€“imidaâ€salen Complexes Encapsulated into NaY Zeolite for Oxidations Reactions. European Journal of Inorganic Chemistry, 2013, 2013, 5408-5417.	1.0	14
36	Manganese complexes with triazenido ligands encapsulated in NaY zeolite as heterogeneous catalysts. Inorganica Chimica Acta, 2013, 394, 591-597.	1.2	25

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37	The electrochemical mineralization of oxalic and oxamic acids using modified electrodes based on carbon nanotubes. Chemical Engineering Journal, 2013, 228, 374-380.	6.6	12
38	Study of silver species stabilized in different microporous zeolites. Microporous and Mesoporous Materials, 2013, 181, 83-87.	2.2	59
39	Fast thermal cisâ€“trans isomerization of heterocyclic azo dyes in PMMA polymers. Optical Materials, 2013, 35, 1167-1172.	1.7	40
40	Electrochemical and Catalytic Studies of a Manganese(III)Complex with a Tetradentate Schiffâ€Base Ligand Encapsulated in NaY Zeolite. European Journal of Inorganic Chemistry, 2013, 2013, 2768-2776.	1.0	10
41	Styrene Oxidation by Copper(II) Complexes Salen-Type Encapsulated into Nay Zeolite. Archives of Metallurgy and Materials, 2013, 58, 1291-1294.	0.6	1
42	Effect of Zeolite Content in the Electrical, Mechanical and Thermal Degradation Response of Poly(vinylidene fluoride)/NaY Zeolite Composites. Journal of Nanoscience and Nanotechnology, 2012, 12, 6804-6810.	0.9	19
43	Synthesis and characterization of novel second-order NLO-chromophores bearing pyrrole as an electron donor group. Tetrahedron, 2012, 68, 8147-8155.	1.0	35
44	413 Enhancing 5-FU Activity in Colorectal Carcinoma-derived Cell Lines â€“ Combination With Monocarboxylate Transporter Inhibitors and Encapsulation into Zeolites. European Journal of Cancer, 2012, 48, S100.	1.3	0
45	Antimicrobial activity of faujasite zeolites doped with silver. Microporous and Mesoporous Materials, 2012, 160, 126-132.	2.2	146
46	Zeolite Structures Loading with an Anticancer Compound As Drug Delivery Systems. Journal of Physical Chemistry C, 2012, 116, 25642-25650.	1.5	120
47	Photoswitching in azo dyes bearing thienylpyrrole and benzothiazole heterocyclic systems. Dyes and Pigments, 2012, 92, 745-748.	2.0	43
48	Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology. Carbohydrate Polymers, 2012, 87, 1295-1301.	5.1	90
49	Design, synthesis and evaluation of redox, second order nonlinear optical properties and theoretical DFT studies of novel bithiophene azo dyes functionalized with thiadiazole acceptor groups. Dyes and Pigments, 2012, 95, 392-399.	2.0	42
50	Electrocatalytic oxidation of oxalic and oxamic acids in aqueous media at carbon nanotube modified electrodes. Electrochimica Acta, 2012, 60, 278-286.	2.6	17
51	Enhancement of the photochromic switching speed of bithiophene azo dyes. Tetrahedron Letters, 2012, 53, 4502-4506.	0.7	27
52	Encapsulation of manganese(III) complex in NaY nanoporosity for heterogeneous catalysis. Applied Organometallic Chemistry, 2012, 26, 44-49.	1.7	22
53	Synthesis and evaluation of NLO properties of Ï€-conjugated donor-acceptor systems bearing pyrrole and thiophene heterocycles. , 2011, , .		2
54	Highly efficient and thermally stable NLO organic materials based on pyrrole and thiophene heterocycles. Proceedings of SPIE, 2011, , .	0.8	2

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55	Catalytic behavior of 1-(2-pyridylazo)-2-naphthol transition metal complexes encapsulated in Y zeolite. Journal of Catalysis, 2011, 278, 102-110.	3.1	60
56	Encapsulation of Î±-cyano-4-hydroxycinnamic acid into a NaY zeolite. Journal of Materials Science, 2011, 46, 7511-7516.	1.7	34
57	Stability of nanocomposites of poly(Îµ-caprolactone) with tungsten trioxide. Journal of Polymer Research, 2011, 18, 1743-1749.	1.2	14
58	Synthesis and characterization of novel diazenes bearing pyrrole, thiophene and thiazole heterocycles as efficient photochromic and nonlinear optical (NLO) materials. Dyes and Pigments, 2011, 91, 62-73.	2.0	127
59	Pushâ€“pull bithiophene azo-chromophores bearing thiazole and benzothiazole acceptor moieties: Synthesis and evaluation of their redox and nonlinear optical properties. Dyes and Pigments, 2011, 91, 454-465.	2.0	85
60	Design, synthesis, and characterization of the electrochemical, nonlinear optical properties, and theoretical studies of novel thienylpyrrole azo dyes bearing benzothiazole acceptor groups. Tetrahedron, 2011, 67, 5189-5198.	1.0	75
61	Comparative study of tarnishing resistance of several coloured gold based alloys. Corrosion Engineering Science and Technology, 2011, 46, 271-276.	0.7	0
62	Molybdenum Complexes Bearing (Bi)thienyl- or Arylthienyl-Substituted Ï€-Conjugated Spacers: Synthesis, Electrochemical, Spectroscopic and Nonlinear Optical Properties. European Journal of Inorganic Chemistry, 2010, 2010, 2998-3004.	1.0	8
63	Recovery of Cr-biosorption supports as catalysts for the oxidation of cyclohexanol. Journal of Biotechnology, 2010, 150, 248-248.	1.9	0
64	Immobilization of chromium complexes in zeolite Y obtained from biosorbents: Synthesis, characterization and catalytic behaviour. Applied Catalysis B: Environmental, 2010, 94, 1-7.	10.8	30
65	Synthesis and characterization of novel, thermally stable 2-aryl-5-dicyanovinylthiophenes and 5-aryl-5â€²-dicyanovinyl-2,2â€²-bithiophenes as potentially promising non-linear optical materials. Dyes and Pigments, 2010, 86, 217-226.	2.0	39
66	Optical Properties of Nanostructures Obtained by Encapsulation of Cation Chromophores in Y Zeolite. Journal of Physical Chemistry C, 2010, 114, 10719-10724.	1.5	16
67	Enhancement of the Dielectric Constant and Thermal Properties of Î±-Poly(vinylidene fluoride)/Zeolite Nanocomposites. Journal of Physical Chemistry C, 2010, 114, 14446-14452.	1.5	28
68	Tarnish and corrosion evaluation of a blue goldâ€based alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2009, 60, 355-359.	0.8	2
69	Study of a purple goldâ€based alloy resistance to tarnishing in a sulphuric solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2009, 60, 450-454.	0.8	1
70	Redox properties of (1-(2-pyridylazo)-2-naphthol)copper(II) encapsulated in Y Zeolite. Microporous and Mesoporous Materials, 2009, 117, 297-303.	2.2	23
71	Hostâ€“guest chemistry of the (N,Nâ€²-diarylacetamidine)rhodium(iii) complex in zeolite Y. Physical Chemistry Chemical Physics, 2009, 11, 6308.	1.3	23
72	The Leadâ€“Lead Oxide Secondary Cell as a Teaching Resource. Journal of Chemical Education, 2009, 86, 357.	1.1	5

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73	Immobilization of Fe(III) complexes of pyridazine derivatives prepared from biosorbents supported on zeolites. Microporous and Mesoporous Materials, 2008, 109, 163-171.	2.2	28
74	Study of the spectroscopic properties and first hyperpolarizabilities of disperse azo dyes derived from 2-amino-5-nitrothiazole. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 199, 23-33.	2.0	8
75	Host(beta zeolite)â€“guest (copper(ii)â€“methyladenine complex) nanomaterials: synthesis and characterization. New Journal of Chemistry, 2008, 32, 2263.	1.4	14
76	Organicâ€“inorganic hybrid matrix doped with alkenyldiazenido complexes of molybdenum. Journal of Alloys and Compounds, 2008, 454, 72-77.	2.8	6
77	Copper(II)â€“Purine Complexes Encapsulated in NaY Zeolite. European Journal of Inorganic Chemistry, 2007, 2007, 1682-1689.	1.0	20
78	Structureâˆ’Property Relationships in Pushâˆ’Pull Amino/Cyanovinyl End-Capped Oligothiophenes:Â Quantum Chemical and Experimental Studies. Journal of Organic Chemistry, 2006, 71, 7509-7520.	1.7	81
79	Synthesis and Characterization of Dicyanovinyl-Substituted Thienylpyrroles as New Nonlinear Optical Chromophores. Organic Letters, 2006, 8, 3681-3684.	2.4	99
80	Noncovalent Anchoring of Hydride Tungsten Complex on Mesoporous Materials. Studies in Surface Science and Catalysis, 2006, 162, 417-424.	1.5	1
81	Synthesis of formyl-thienylpyrroles: versatile building blocks for NLO materials. Tetrahedron, 2006, 62, 3493-3501.	1.0	32
82	Photochromic properties of thienylpyrrole azo dyes in solution. Tetrahedron Letters, 2006, 47, 3711-3714.	0.7	59
83	Thienylpyrrole azo dyes: synthesis, solvatochromic and electrochemical properties. Tetrahedron, 2005, 61, 8249-8256.	1.0	104
84	Synthesis of tricyanovinyl-substituted thienylpyrroles and characterization of the solvatochromic, electrochemical and non-linear optical properties. Tetrahedron, 2005, 61, 11991-11998.	1.0	43
85	Synthesis and Electrochemical and Spectroscopic Properties of Molybdenum Complexes Bearing 5-Alkoxythiophene or -bithiophene Groups. European Journal of Inorganic Chemistry, 2005, 2005, 4361-4365.	1.0	12
86	Synthesis of donorâ€“acceptor substituted oligothiophenes by Stille coupling. Tetrahedron, 2004, 60, 4071-4078.	1.0	98
87	Effect of Concentration of the Diazoalcene Molybdenum Complex Immobilized in Ureasil Matrix. Journal of Sol-Gel Science and Technology, 2004, 32, 353-356.	1.1	1
88	Synthesis and immobilization of molybdenum complexes in a pillared layered clay. Microporous and Mesoporous Materials, 2004, 72, 111-118.	2.2	30
89	Electrochemical and Spectroscopic Studies of Pyridazine Derivatives. Portugaliae Electrochimica Acta, 2004, 22, 11-18.	0.4	9
90	Tungsten hydride complex as a template in organicâ€“inorganic hybrid materials. Solid State Sciences, 2003, 5, 519-523.	1.5	3

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91	Immobilization of Mo(IV) complex in hybrid matrix obtained via solâ€“gel technique. Journal of Alloys and Compounds, 2003, 360, 272-278.	2.8	6
92	Electrochemistry of molybdenum imides: cleavage of molybdenumâ€“nitrogen triple bonds to release ammonia or aminesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1997, , 4807-4816.	1.1	34
93	Ligand-centred chemistry of molybdenum organoimides. Formation of Câ€“C bonds via generation of nitrogen ylides, stereospecific conversion of an allylimide into alkylvinyl-imides, liberation of cyanoformate or amino acid esters. Journal of the Chemical Society Dalton Transactions, 1995, , 1973-1984.	1.1	11
94	On carboxylate as a leaving group at the active site of Mo nitrogenase: electrochemical reactions of some MO and W carboxylates, formation of mono-, di- and tri-hydrides and the detection of an MoH2(N2) intermediate. Polyhedron, 1994, 13, 3341-3348.	1.0	48
95	Performance of self-cleaning cotton textiles coated with TiO2, TiO2-SiO2 and TiO2-SiO2-HY in removing Rhodamine B and Reactive Red 120 dyes from aqueous solutions. , 0, 223, 447-455.		5