Josiel B Domingos

List of Publications by Year in Descending Order

54 papers	1,251 citations	19 h-index	34 g-index
57 ext. papers	1,423 ext. citations	6.4 avg, IF	4.27 L-index

#	Paper	IF	Citations
54	Surface active SNS-based dicationic ionic liquids containing amphiphilic anions: Experimental and theoretical studies of their structures and organization in solution. *Journal of Molecular Liquids*, **2021**, 344, 117725	6	1
53	Multiphase TiO2 aerogels incorporated with Pd for mixed catalysis in wide UV Vis spectrum. *Applied Nanoscience (Switzerland)*, **2021**, 11, 455-465	3.3	2
52	Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. *Molecules*, **2021**, 26,	4.8	5
51	Quinoxaline-functionalized silver nanoparticles as chromogenic probe for the multiple selective detection of cysteine, Mg2+ and Sn2+ in aqueous solution. *Sensors and Actuators B: Chemical*, **2021**, 349, 130743	8.5	3
50	Platinum-Triggered Bond-Cleavage of Pentynoyl Amide and -Propargyl Handles for Drug-Activation. *Journal of the American Chemical Society*, **2020**, 142, 10869-10880	16.4	38
49	Effect of pH on the efficiency of sodium hexametaphosphate as calcium carbonate scale inhibitor at high temperature and high pressure. *Desalination*, **2020**, 491, 114548	10.3	11
48	Novel modified nonalkoxide sol gel synthesis of multiphase high surface area TiO2 aerogels for photocatalysis. *Journal of Sol-Gel Science and Technology*, **2020**, 94, 425-434	2.3	8
47	Indium-decorated Pd nanocubes degrade nitrate anions rapidly. *Applied Catalysis B: Environmental*, **2020**, 276, 119048	21.8	11
46	Core-shell PdCu bimetallic colloidal nanoparticles in Sonogashira cross-coupling reaction: mechanistic insights into the catalyst mode of action. *Nanoscale*, **2020**, 12, 1171-1179	7.7	9
45	Mechanistic insights into transition metal-mediated bioorthogonal uncaging reactions. *Chemical Society Reviews*, **2020**, 49, 7710-7729	58.5	18
44	Mechanism of Palladium(II)-Mediated Uncaging Reactions of Propargylic Substrates. *ACS Catalysis*, **2019**, 9, 3792-3799	13.1	8
43	Ruthenium Trichloride Catalyst in Water: Ru Colloids versus Ru Dimer Characterization Investigations. *Inorganic Chemistry*, **2019**, 58, 4141-4151	5.1	7
42	Palladium Catalyst with Task-Specific Ionic Liquid Ligands: Intracellular Reactions and Mitochondrial Imaging with Benzothiadiazole Derivatives. *Journal of Organic Chemistry*, **2019**, 84, 5118-5128	4.2	12
41	The catalytic evaluation of bimetallic Pd-based nanocatalysts supported on ion exchange resin in nitro and alkyne reduction reactions. *New Journal of Chemistry*, **2019**, 43, 7083-7092	3.6	12
40	Rutin-modified silver nanoparticles as a chromogenic probe for the selective detection of Fe in aqueous medium.. *RSC Advances*, **2019**, 9, 30007-30011	3.7	7
39	On the Formation of Palladium (II) Iodide Nanoparticles: An In Situ SAXS/XAS Study and Catalytic Evaluation on an Aryl Alkenylation Reaction in Water Medium. *ChemCatChem*, **2018**, 11, 684	5.2	1
38	Multicomponent synthesis of substituted 3-styryl-1H-quinoxalin-2-ones in an aqueous medium. *Tetrahedron Letters*, **2018**, 59, 3961-3964	2	12

37	Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic liquid). *Applied Catalysis A: General*, **2018**, 562, 79-86	5.1	5
36	Mechanism of a Suzuki-Type Homocoupling Reaction Catalyzed by Palladium Nanocubes. *ACS Catalysis*, **2017**, 7, 1462-1469	13.1	26
35	Kinetic investigation into the chemoselective hydrogenation of α,β-unsaturated carbonyl compounds catalyzed by Ni(0) nanoparticles. *Dalton Transactions*, **2017**, 46, 5082-5090	4.3	19
34	Hydrazine Electrooxidation with PdNPs and Its Application for a Hybrid Self-Powered Sensor and N2H4Decontamination. *Journal of the Electrochemical Society*, **2017**, 164, H3052-H3057	3.9	8
33	Theoretical and Experimental Investigation of Acidity of the Glutamate Receptor Antagonist 6,7-Dinitro-1,4-dihydroquinoxaline-2,3-dione and Its Possible Implication in GluA2 Binding. *Journal of Physical Chemistry A*, **2017**, 121, 7414-7423	2.8	8
32	Catalytically Active Membranelike Devices: Ionic Liquid Hybrid Organosilicas Decorated with Palladium Nanoparticles. *ACS Catalysis*, **2016**, 6, 6478-6486	13.1	44
31	Water soluble polymer–surfactant complexes-stabilized Pd(0) nanocatalysts: Characterization and structure–activity relationships in biphasic hydrogenation of alkenes and α,β-unsaturated ketones. *Journal of Catalysis*, **2016**, 340, 144-153	7.3	18
30	Quantification of Synthetic Amino-Nitroquinoxaline Dyes: An Approach Using Image Analysis. *Journal of the Brazilian Chemical Society*, **2016**,	1.5	2
29	Cubic PdNP-based air-breathing cathodes integrated in glucose hybrid biofuel cells. *Nanoscale*, **2016**, 8, 10433-40	7.7	11
28	Aqueous intramolecular Mizoroki–Heck reaction of (2-iodophenyl)(3-methyl-1H-indol-1-yl)methanone: a model reaction for the in situ performance evaluation of Pd catalysts. *New Journal of Chemistry*, **2015**, 39, 1574-1578	3.6	8
27	The effect of chain size on the modeling of second sphere effects in biomimetic complexes. *Journal of Molecular Catalysis A*, **2015**, 397, 76-84		13
26	Low-Range Detection of the Phosphate Group by a Molecularly Imprinted Polymer-Modified Carbon Paste Electrode. *IEEE Sensors Journal*, **2015**, 15, 1012-1019	4	6
25	The catalytic evaluation of in situ grown Pd nanoparticles on the surface of Fe3O4@dextran particles in the p-nitrophenol reduction reaction. *RSC Advances*, **2015**, 5, 8289-8296	3.7	28
24	ASSOCIATION OF BRANCHED POLYETHYLENE IMINE WITH SURFACTANTS IN AQUEOUS SOLUTION. *Quimica Nova*, **2015**,	1.6	2
23	Synthesis of silver glyconanoparticles from new sugar-based amphiphiles and their catalytic application. *Langmuir*, **2014**, 30, 6011-20	4	21
22	Screening the Formation of Silver Nanoparticles Using a New Reaction Kinetics Multivariate Analysis and Assessing Their Catalytic Activity in the Reduction of Nitroaromatic Compounds. *Journal of Physical Chemistry C*, **2014**, 118, 12962-12971	3.8	21
21	H-aggregation of the amphiphilic dye TDPI: Photophysical, electrochemical, DFT and SAXS studies. *Journal of Molecular Structure*, **2014**, 1063, 320-327	3.4	3
20	Investigating the Ritter Type Reaction of β-Methylene-γ-hydroxy Esters in Acidic Medium: Evidence for the Intermediacy of an Allylic Cation. *European Journal of Organic Chemistry*, **2013**, 2013, 5180-5187	3.2	3

19	Second-coordination-sphere effects increase the catalytic efficiency of an extended model for Fe(III)M(II) purple acid phosphatases. *Inorganic Chemistry*, **2013**, 52, 3594-6	5.1	25
18	Properties of aqueous solutions of hydrophobically modified polyethylene imines in the absence and presence of sodium dodecylsulfate. *Journal of Colloid and Interface Science*, **2012**, 370, 94-101	9.3	20
17	Synthesis and Catalytic Properties of Silver Nanoparticle□linear Polyethylene Imine Colloidal Systems. *Journal of Physical Chemistry C*, **2012**, 116, 4594-4604	3.8	73
16	Physicochemical Investigation of the Association of the Biosurfactants Sodium Cholate and Sodium Dodecanoate With Poly(ethyleneoxide). *Journal of Dispersion Science and Technology*, **2012**, 33, 75-82	1.5	5
15	Development of catalytically active silver colloid nanoparticles stabilized by dextran. *Langmuir*, **2011**, 27, 11860-6	4	52
14	Formation of catalytic silver nanoparticles supported on branched polyethyleneimine derivatives. *Langmuir*, **2010**, 26, 17772-9	4	104
13	Hydrogen Reduction of Adams□Catalyst in Ionic Liquids: Formation and Stabilization of Pt(0) Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 16463-16469	3.8	37
12	Polyethylene imine derivatives ('synzymes') accelerate phosphate transfer in the absence of metal. *Journal of the American Chemical Society*, **2007**, 129, 7611-9	16.4	40
11	Remarkable acceleration on the transesterification reaction of 2-hydroxypropyl-p-nitrophenyl phosphate by ionic liquids. *Catalysis Communications*, **2007**, 8, 1383-1385	3.2	5
10	Synthesis and characterization of Pt0 nanoparticles in imidazolium ionic liquids. *Journal of Physical Chemistry B*, **2006**, 110, 13011-20	3.4	206
9	On the kinetics of iridium nanoparticles formation in ionic liquids and olefin hydrogenation. *Journal of Molecular Catalysis A*, **2006**, 248, 10-16		63
8	Catalytic effect of a dinuclear complex in the hydrolysis of bis(2,4-dinitrophenyl) phosphate. *Inorganica Chimica Acta*, **2005**, 358, 2089-2092	2.7	22
7	Bis(2,4-dinitrophenyl) phosphate hydrolysis mediated by lanthanide ions. *Journal of Physical Organic Chemistry*, **2005**, 18, 167-172	2.1	14
6	Reaction of bis(2,4-dinitrophenyl) phosphate with hydrazine and hydrogen peroxide. Comparison of O- and N- phosphorylation. *Journal of Organic Chemistry*, **2004**, 69, 7898-905	4.2	62
5	Mechanisms of nucleophilic substitution reactions of methylated hydroxylamines with bis(2,4-dinitrophenyl)phosphate. Mass spectrometric identification of key intermediates. *Journal of Organic Chemistry*, **2004**, 69, 6024-33	4.2	55
4	A química dos ésteres de fosfato. *Quimica Nova*, **2003**, 26, 745-753	1.6	16
3	Oxidation of thioanisole by hydrogen peroxide: activation by nitriles. *Journal of Physical Organic Chemistry*, **2003**, 16, 603-607	2.1	7
2	Reactions of bis(2,4-dinitrophenyl) phosphate with hydroxylamine. *Journal of Organic Chemistry*, **2003**, 68, 7051-8	4.2	32

List of Publications

1	Controlled In-Cell Generation of Active Palladium(0) Species for Bioorthogonal Decaging. *Angewandte Chemie*,	3.6