

Josiel B Domingos

List of Publications by Citations

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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	Synthesis and characterization of Pt ₀ nanoparticles in imidazolium ionic liquids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13011-20	3.4	206
53	Formation of catalytic silver nanoparticles supported on branched polyethyleneimine derivatives. <i>Langmuir</i> , 2010 , 26, 17772-9	4	104
52	Synthesis and Catalytic Properties of Silver Nanoparticle-Linear Polyethylene Imine Colloidal Systems. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4594-4604	3.8	73
51	On the kinetics of iridium nanoparticles formation in ionic liquids and olefin hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2006 , 248, 10-16		63
50	Reaction of bis(2,4-dinitrophenyl) phosphate with hydrazine and hydrogen peroxide. Comparison of O- and N- phosphorylation. <i>Journal of Organic Chemistry</i> , 2004 , 69, 7898-905	4.2	62
49	Mechanisms of nucleophilic substitution reactions of methylated hydroxylamines with bis(2,4-dinitrophenyl)phosphate. Mass spectrometric identification of key intermediates. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6024-33	4.2	55
48	Development of catalytically active silver colloid nanoparticles stabilized by dextran. <i>Langmuir</i> , 2011 , 27, 11860-6	4	52
47	Catalytically Active Membrane-like Devices: Ionic Liquid Hybrid Organosilicas Decorated with Palladium Nanoparticles. <i>ACS Catalysis</i> , 2016 , 6, 6478-6486	13.1	44
46	Polyethylene imine derivatives ('synzymes') accelerate phosphate transfer in the absence of metal. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7611-9	16.4	40
45	Platinum-Triggered Bond-Cleavage of Pentynoyl Amide and -Propargyl Handles for Drug-Activation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10869-10880	16.4	38
44	Hydrogen Reduction of Adams' Catalyst in Ionic Liquids: Formation and Stabilization of Pt(0) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16463-16469	3.8	37
43	Reactions of bis(2,4-dinitrophenyl) phosphate with hydroxylamine. <i>Journal of Organic Chemistry</i> , 2003 , 68, 7051-8	4.2	32
42	The catalytic evaluation of in situ grown Pd nanoparticles on the surface of Fe ₃ O ₄ @dextran particles in the p-nitrophenol reduction reaction. <i>RSC Advances</i> , 2015 , 5, 8289-8296	3.7	28
41	Mechanism of a Suzuki-Type Homocoupling Reaction Catalyzed by Palladium Nanocubes. <i>ACS Catalysis</i> , 2017 , 7, 1462-1469	13.1	26
40	Second-coordination-sphere effects increase the catalytic efficiency of an extended model for Fe(III)M(II) purple acid phosphatases. <i>Inorganic Chemistry</i> , 2013 , 52, 3594-6	5.1	25
39	Catalytic effect of a dinuclear complex in the hydrolysis of bis(2,4-dinitrophenyl) phosphate. <i>Inorganica Chimica Acta</i> , 2005 , 358, 2089-2092	2.7	22
38	Synthesis of silver glyconanoparticles from new sugar-based amphiphiles and their catalytic application. <i>Langmuir</i> , 2014 , 30, 6011-20	4	21

37	Screening the Formation of Silver Nanoparticles Using a New Reaction Kinetics Multivariate Analysis and Assessing Their Catalytic Activity in the Reduction of Nitroaromatic Compounds. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12962-12971	3.8	21
36	Properties of aqueous solutions of hydrophobically modified polyethylene imines in the absence and presence of sodium dodecylsulfate. <i>Journal of Colloid and Interface Science</i> , 2012 , 370, 94-101	9.3	20
35	Kinetic investigation into the chemoselective hydrogenation of α,β -unsaturated carbonyl compounds catalyzed by Ni(0) nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 5082-5090	4.3	19
34	Water soluble polymer-surfactant complexes-stabilized Pd(0) nanocatalysts: Characterization and structure-activity relationships in biphasic hydrogenation of alkenes and α,β -unsaturated ketones. <i>Journal of Catalysis</i> , 2016 , 340, 144-153	7.3	18
33	Mechanistic insights into transition metal-mediated bioorthogonal uncaging reactions. <i>Chemical Society Reviews</i> , 2020 , 49, 7710-7729	58.5	18
32	A química dos éteres de fosfato. <i>Química Nova</i> , 2003 , 26, 745-753	1.6	16
31	Bis(2,4-dinitrophenyl) phosphate hydrolysis mediated by lanthanide ions. <i>Journal of Physical Organic Chemistry</i> , 2005 , 18, 167-172	2.1	14
30	The effect of chain size on the modeling of second sphere effects in biomimetic complexes. <i>Journal of Molecular Catalysis A</i> , 2015 , 397, 76-84		13
29	Palladium Catalyst with Task-Specific Ionic Liquid Ligands: Intracellular Reactions and Mitochondrial Imaging with Benzothiadiazole Derivatives. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5118-5128	4.2	12
28	The catalytic evaluation of bimetallic Pd-based nanocatalysts supported on ion exchange resin in nitro and alkyne reduction reactions. <i>New Journal of Chemistry</i> , 2019 , 43, 7083-7092	3.6	12
27	Multicomponent synthesis of substituted 3-styryl-1H-quinoxalin-2-ones in an aqueous medium. <i>Tetrahedron Letters</i> , 2018 , 59, 3961-3964	2	12
26	Effect of pH on the efficiency of sodium hexametaphosphate as calcium carbonate scale inhibitor at high temperature and high pressure. <i>Desalination</i> , 2020 , 491, 114548	10.3	11
25	Indium-decorated Pd nanocubes degrade nitrate anions rapidly. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119048	21.8	11
24	Cubic PdNP-based air-breathing cathodes integrated in glucose hybrid biofuel cells. <i>Nanoscale</i> , 2016 , 8, 10433-40	7.7	11
23	Core-shell PdCu bimetallic colloidal nanoparticles in Sonogashira cross-coupling reaction: mechanistic insights into the catalyst mode of action. <i>Nanoscale</i> , 2020 , 12, 1171-1179	7.7	9
22	Hydrazine Electrooxidation with PdNPs and Its Application for a Hybrid Self-Powered Sensor and N ₂ H ₄ Decontamination. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H3052-H3057	3.9	8
21	Mechanism of Palladium(II)-Mediated Uncaging Reactions of Propargylic Substrates. <i>ACS Catalysis</i> , 2019 , 9, 3792-3799	13.1	8
20	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. <i>New Journal of Chemistry</i> , 2015 , 39, 1574-1578	3.6	8

19	Novel modified nonalkoxide sol-gel synthesis of multiphase high surface area TiO ₂ aerogels for photocatalysis. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 94, 425-434	2.3	8
18	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. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 7414-7423	2.8	8
17	Ruthenium Trichloride Catalyst in Water: Ru Colloids versus Ru Dimer Characterization Investigations. <i>Inorganic Chemistry</i> , 2019 , 58, 4141-4151	5.1	7
16	Oxidation of thioanisole by hydrogen peroxide: activation by nitriles. <i>Journal of Physical Organic Chemistry</i> , 2003 , 16, 603-607	2.1	7
15	Rutin-modified silver nanoparticles as a chromogenic probe for the selective detection of Fe in aqueous medium.. <i>RSC Advances</i> , 2019 , 9, 30007-30011	3.7	7
14	Low-Range Detection of the Phosphate Group by a Molecularly Imprinted Polymer-Modified Carbon Paste Electrode. <i>IEEE Sensors Journal</i> , 2015 , 15, 1012-1019	4	6
13	Physicochemical Investigation of the Association of the Biosurfactants Sodium Cholate and Sodium Dodecanoate With Poly(ethyleneoxide). <i>Journal of Dispersion Science and Technology</i> , 2012 , 33, 75-82	1.5	5
12	Remarkable acceleration on the transesterification reaction of 2-hydroxypropyl-p-nitrophenyl phosphate by ionic liquids. <i>Catalysis Communications</i> , 2007 , 8, 1383-1385	3.2	5
11	Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic liquid). <i>Applied Catalysis A: General</i> , 2018 , 562, 79-86	5.1	5
10	Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. <i>Molecules</i> , 2021 , 26,	4.8	5
9	H-aggregation of the amphiphilic dye TDPI: Photophysical, electrochemical, DFT and SAXS studies. <i>Journal of Molecular Structure</i> , 2014 , 1063, 320-327	3.4	3
8	Investigating the Ritter Type Reaction of α -Methylene- β -hydroxy Esters in Acidic Medium: Evidence for the Intermediacy of an Allylic Cation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 5180-5187	3.2	3
7	Quinoxaline-functionalized silver nanoparticles as chromogenic probe for the multiple selective detection of cysteine, Mg ²⁺ and Sn ²⁺ in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2021 , 349, 130743	8.5	3
6	ASSOCIATION OF BRANCHED POLYETHYLENE IMINE WITH SURFACTANTS IN AQUEOUS SOLUTION. <i>Quimica Nova</i> , 2015 ,	1.6	2
5	Quantification of Synthetic Amino-Nitroquinoxaline Dyes: An Approach Using Image Analysis. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	2
4	Multiphase TiO ₂ aerogels incorporated with Pd for mixed catalysis in wide UV-Vis spectrum. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 455-465	3.3	2
3	Surface active SNS-based dicationic ionic liquids containing amphiphilic anions: Experimental and theoretical studies of their structures and organization in solution. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117725	6	1
2	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. <i>ChemCatChem</i> , 2018 , 11, 684	5.2	1

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