

Josiel B Domingos

List of Publications by Year in descending order

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57
papers

1,565
citations

304368

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docs citations

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times ranked

2130
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Synthesis and Characterization of Pt(0) Nanoparticles in Imidazolium Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13011-13020. | 1.2 | 224 |
| 2 | Formation of Catalytic Silver Nanoparticles Supported on Branched Polyethyleneimine Derivatives. <i>Langmuir</i> , 2010, 26, 17772-17779. | 1.6 | 109 |
| 3 | Synthesis and Catalytic Properties of Silver Nanoparticle-Linear Polyethylene Imine Colloidal Systems. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4594-4604. | 1.5 | 81 |
| 4 | Platinum-Triggered Bond-Cleavage of Pentynoyl Amide and <i>N</i> -Propargyl Handles for Drug-Activation. <i>Journal of the American Chemical Society</i> , 2020, 142, 10869-10880. | 6.6 | 68 |
| 5 | On the kinetics of iridium nanoparticles formation in ionic liquids and olefin hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2006, 248, 10-16. | 4.8 | 67 |
| 6 | 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, 7898-7905. | 1.7 | 64 |
| 7 | 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, 6024-6033. | 1.7 | 59 |
| 8 | Development of Catalytically Active Silver Colloid Nanoparticles Stabilized by Dextran. <i>Langmuir</i> , 2011, 27, 11860-11866. | 1.6 | 58 |
| 9 | Catalytically Active Membrane-like Devices: Ionic Liquid Hybrid Organosilicas Decorated with Palladium Nanoparticles. <i>ACS Catalysis</i> , 2016, 6, 6478-6486. | 5.5 | 49 |
| 10 | Mechanistic insights into transition metal-mediated bioorthogonal uncaging reactions. <i>Chemical Society Reviews</i> , 2020, 49, 7710-7729. | 18.7 | 46 |
| 11 | Polyethylene Imine Derivatives (Synzymes!) Accelerate Phosphate Transfer in the Absence of Metal. <i>Journal of the American Chemical Society</i> , 2007, 129, 7611-7619. | 6.6 | 43 |
| 12 | 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. | 1.5 | 41 |
| 13 | 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. | 1.7 | 37 |
| 14 | Mechanism of a Suzuki-Type Homocoupling Reaction Catalyzed by Palladium Nanocubes. <i>ACS Catalysis</i> , 2017, 7, 1462-1469. | 5.5 | 37 |
| 15 | Reactions of Bis(2,4-dinitrophenyl) Phosphate with Hydroxylamine. <i>Journal of Organic Chemistry</i> , 2003, 68, 7051-7058. | 1.7 | 34 |
| 16 | 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. | 4.0 | 33 |
| 17 | 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, 3594-3596. | 1.9 | 29 |
| 18 | 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. | 1.6 | 27 |

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|----|--|------|-----------|
| 19 | Indium-decorated Pd nanocubes degrade nitrate anions rapidly. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119048. | 10.8 | 26 |
| 20 | 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. | 5.0 | 24 |
| 21 | Synthesis of Silver Glyconanoparticles from New Sugar-Based Amphiphiles and Their Catalytic Application. <i>Langmuir</i> , 2014, 30, 6011-6020. | 1.6 | 24 |
| 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. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12962-12971. | 1.5 | 23 |
| 23 | 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. | 3.1 | 23 |
| 24 | Catalytic effect of a dinuclear complex in the hydrolysis of bis(2,4-dinitrophenyl) phosphate. <i>Inorganica Chimica Acta</i> , 2005, 358, 2089-2092. | 1.2 | 22 |
| 25 | Mechanism of Palladium(II)-Mediated Uncaging Reactions of Propargylic Substrates. <i>ACS Catalysis</i> , 2019, 9, 3792-3799. | 5.5 | 21 |
| 26 | 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. | 1.7 | 20 |
| 27 | 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. | 2.8 | 18 |
| 28 | A qumica dos steres de fosfato. <i>Quimica Nova</i> , 2003, 26, 745-753. | 0.3 | 17 |
| 29 | Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. <i>Molecules</i> , 2021, 26, 4446. | 1.7 | 17 |
| 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. | 4.8 | 16 |
| 31 | Ruthenium Trichloride Catalyst in Water: Ru Colloids versus Ru Dimer Characterization Investigations. <i>Inorganic Chemistry</i> , 2019, 58, 4141-4151. | 1.9 | 16 |
| 32 | Controlled In-Cell Generation of Active Palladium(0) Species for Bioorthogonal Decaging. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 15 |
| 33 | Bis(2,4-dinitrophenyl) phosphate hydrolysis mediated by lanthanide ions. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 167-172. | 0.9 | 14 |
| 34 | Multicomponent synthesis of substituted 3-styryl-1H-quinoxalin-2-ones in an aqueous medium. <i>Tetrahedron Letters</i> , 2018, 59, 3961-3964. | 0.7 | 13 |
| 35 | 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. | 1.4 | 13 |
| 36 | Cubic PdNP-based air-breathing cathodes integrated in glucose hybrid biofuel cells. <i>Nanoscale</i> , 2016, 8, 10433-10440. | 2.8 | 11 |

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|----|---|-----|-----------|
| 37 | 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. | 1.1 | 11 |
| 38 | 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. | 1.1 | 11 |
| 39 | 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. | 4.0 | 11 |
| 40 | Rutin-modified silver nanoparticles as a chromogenic probe for the selective detection of Fe ³⁺ in aqueous medium. <i>RSC Advances</i> , 2019, 9, 30007-30011. | 1.7 | 10 |
| 41 | Oxidation of thioanisole by hydrogen peroxide: activation by nitriles. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 603-607. | 0.9 | 9 |
| 42 | 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. | 1.3 | 9 |
| 43 | 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. | 1.4 | 8 |
| 44 | 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. | 2.4 | 7 |
| 45 | Microchanneled biomorphous Al ₂ O ₃ coated with TiO ₂ aerogel for photocatalytic reduction of 4-nitrophenol. <i>Ceramics International</i> , 2022, 48, 15946-15950. | 2.3 | 6 |
| 46 | Remarkable acceleration on the transesterification reaction of 2-hydroxypropyl-p-nitrophenyl phosphate by ionic liquids. <i>Catalysis Communications</i> , 2007, 8, 1383-1385. | 1.6 | 5 |
| 47 | 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. | 1.3 | 5 |
| 48 | 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. | 1.2 | 5 |
| 49 | Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic) Tj ETQq1 1 0.784314 rgBT ₅ Overloc 2.2 | 2.2 | 5 |
| 50 | 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> , 2019, 11, 684-688. | 1.8 | 4 |
| 51 | Multiphase TiO ₂ aerogels incorporated with Pd for mixed catalysis in wide UV-Vis spectrum. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 455-465. | 1.6 | 4 |
| 52 | ASSOCIATION OF BRANCHED POLYETHYLENE IMINE WITH SURFACTANTS IN AQUEOUS SOLUTION. <i>Quimica Nova</i> , 2015, , . | 0.3 | 4 |
| 53 | Controlled In-Cell Generation of Active Palladium(0) Species for Bioorthogonal Decaging. <i>Angewandte Chemie</i> , 2022, 134, . | 1.6 | 4 |
| 54 | H-aggregation of the amphiphilic dye TDPI: Photophysical, electrochemical, DFT and SAXS studies. <i>Journal of Molecular Structure</i> , 2014, 1063, 320-327. | 1.8 | 3 |

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|----|--|-----|-----------|
| 55 | Quantification of Synthetic Amino-Nitroquinoxaline Dyes: An Approach Using Image Analysis. Journal of the Brazilian Chemical Society, 2016, , . | 0.6 | 2 |
| 56 | Influence of the Capping Agent PVP of the Outer Layer of Pd Nanocubes Surface on the Catalytic Hydrogenation of Unsaturated Câ~C Bonds. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 2 |
| 57 | 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. | 2.3 | 1 |