

Jairton Dupont

List of Publications by Year in descending order

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396
papers

30,087
citations

7069

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6113

159
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452
docs citations

452
times ranked

20477
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ionic Liquid (Molten Salt) Phase Organometallic Catalysis. <i>Chemical Reviews</i> , 2002, 102, 3667-3692. | 23.0 | 3,644 |
| 2 | The Potential of Palladacycles: More Than Just Precatalysts. <i>Chemical Reviews</i> , 2005, 105, 2527-2572. | 23.0 | 1,239 |
| 3 | On the solid, liquid and solution structural organization of imidazolium ionic liquids. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 341-350. | 0.6 | 776 |
| 4 | Transition-Metal Nanoparticles in Imidazolium Ionic Liquids: Recyclable Catalysts for Biphasic Hydrogenation Reactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 4228-4229. | 6.6 | 773 |
| 5 | On the structural and surface properties of transition-metal nanoparticles in ionic liquids. <i>Chemical Society Reviews</i> , 2010, 39, 1780. | 18.7 | 725 |
| 6 | The use of new ionic liquids in two-phase catalytic hydrogenation reaction by rhodium complexes. <i>Polyhedron</i> , 1996, 15, 1217-1219. | 1.0 | 701 |
| 7 | Water-induced accelerated ion diffusion: voltammetric studies in 1-methyl-3-[2,6-(S)-dimethylocten-2-yl]imidazolium tetrafluoroborate, 1-butyl-3-methylimidazolium tetrafluoroborate and hexafluorophosphate ionic liquids. <i>New Journal of Chemistry</i> , 2000, 24, 1009-1015. | 1.4 | 513 |
| 8 | Catalytic Applications of Metal Nanoparticles in Imidazolium Ionic Liquids. <i>Chemistry - A European Journal</i> , 2007, 13, 32-39. | 1.7 | 422 |
| 9 | Palladacycles – An Old Organometallic Family Revisited: New, Simple, and Efficient Catalyst Precursors for Homogeneous Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1917-1927. | 1.0 | 417 |
| 10 | The Use of Imidazolium Ionic Liquids for the Formation and Stabilization of Ir ⁰ and Rh ⁰ Nanoparticles: Efficient Catalysts for the Hydrogenation of Arenes. <i>Chemistry - A European Journal</i> , 2003, 9, 3263-3269. | 1.7 | 397 |
| 11 | Physico-chemical processes in imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2441. | 1.3 | 394 |
| 12 | From Molten Salts to Ionic Liquids: A Nano-Journey. <i>Accounts of Chemical Research</i> , 2011, 44, 1223-1231. | 7.6 | 391 |
| 13 | The Role of Pd Nanoparticles in Ionic Liquid in the Heck Reaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 3298-3299. | 6.6 | 378 |
| 14 | Synthesis and physical-chemical properties of ionic liquids based on 1-n-butyl-3-methylimidazolium cation. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1998, 95, 1626-1639. | 0.2 | 368 |
| 15 | Nanoscale Pt(0) Particles Prepared in Imidazolium Room Temperature Ionic Liquids: Synthesis from an Organometallic Precursor, Characterization, and Catalytic Properties in Hydrogenation Reactions. <i>Inorganic Chemistry</i> , 2003, 42, 4738-4742. | 1.9 | 337 |
| 16 | Transition Metal Nanoparticle Catalysis in Ionic Liquids. <i>ACS Catalysis</i> , 2012, 2, 184-200. | 5.5 | 319 |
| 17 | Room temperature dialkylimidazolium ionic liquid-based fuel cells. <i>Electrochemistry Communications</i> , 2003, 5, 728-731. | 2.3 | 314 |
| 18 | Selective Catalytic Hydrodimerization of 1,3-Butadiene by Palladium Compounds Dissolved in Ionic Liquids. <i>Organometallics</i> , 1998, 17, 815-819. | 1.1 | 296 |

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|----|--|-----|-----------|
| 19 | Identification of 1,3-Dialkylimidazolium Salt Supramolecular Aggregates in Solution. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4341-4349. | 1.2 | 289 |
| 20 | NiCl ₂ (PCy ₃) ₂ : A Simple and Efficient Catalyst Precursor for the Suzuki Cross-Coupling of Aryl Tosylates and Arylboronic Acids. <i>Organic Letters</i> , 2001, 3, 3049-3051. | 2.4 | 279 |
| 21 | On the Noninnocent Nature of 1,3-Dialkylimidazolium Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5296-5297. | 7.2 | 259 |
| 22 | 2,1,3-Benzothiadiazole and Derivatives: Synthesis, Properties, Reactions, and Applications in Light Technology of Small Molecules. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 228-255. | 1.2 | 255 |
| 23 | C-H... Interactions in 1-n-Butyl-3-methylimidazolium Tetraphenylborate Molten Salt: Solid and Solution Structures. <i>Chemistry - A European Journal</i> , 2000, 6, 2377-2381. | 1.7 | 253 |
| 24 | A Simple and Practical Method for the Preparation and Purity Determination of Halide-Free Imidazolium Ionic Liquids. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 243-248. | 2.1 | 248 |
| 25 | Gaseous Supramolecules of Imidazolium Ionic Liquids: "Magic" Numbers and Intrinsic Strengths of Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2004, 10, 6187-6193. | 1.7 | 239 |
| 26 | Enlarged electrochemical window in dialkyl-imidazolium cation based room-temperature air and water-stable molten salts. <i>Electrochimica Acta</i> , 1997, 42, 2533-2535. | 2.6 | 235 |
| 27 | The Partial Hydrogenation of Benzene to Cyclohexene by Nanoscale Ruthenium Catalysts in Imidazolium Ionic Liquids. <i>Chemistry - A European Journal</i> , 2004, 10, 3734-3740. | 1.7 | 233 |
| 28 | 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 |
| 29 | Sulfur-Containing Palladacycles: Efficient Phosphine-Free Catalyst Precursors for the Suzuki Cross-Coupling Reaction at Room Temperature. <i>Organic Letters</i> , 2000, 2, 2881-2884. | 2.4 | 218 |
| 30 | Synthesis and characterization of catalytic iridium nanoparticles in imidazolium ionic liquids. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 193-204. | 5.0 | 208 |
| 31 | Photophysical and electrochemical properties of π -extended molecular 2,1,3-benzothiadiazoles. <i>Tetrahedron</i> , 2005, 61, 10975-10982. | 1.0 | 207 |
| 32 | Sulfur-Containing Palladacycles as Catalyst Precursors for the Heck Reaction. <i>Organic Letters</i> , 2000, 2, 1287-1290. | 2.4 | 203 |
| 33 | Asymmetric hydrogenation of 2-arylacrylic acids catalyzed by immobilized Ru-BINAP complex in 1-n-butyl-3-methylimidazolium tetrafluoroborate molten salt. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 177-179. | 1.8 | 189 |
| 34 | Insights on recyclable catalytic system composed of task-specific ionic liquids for the chemical fixation of carbon dioxide. <i>Green Chemistry</i> , 2014, 16, 2815-2825. | 4.6 | 183 |
| 35 | Synthesis and characterization of nickel nanoparticles dispersed in imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4814. | 1.3 | 177 |
| 36 | Selective Hydrogenation of 1,3-Butadiene to 1-Butene by Pd(0) Nanoparticles Embedded in Imidazolium Ionic Liquids. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1404-1412. | 2.1 | 174 |

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|----|--|------|-----------|
| 37 | Kinetics and Mechanistic Aspects of the Heck Reaction Promoted by a CN ⁺ Palladacycle. <i>Journal of the American Chemical Society</i> , 2005, 127, 12054-12065. | 6.6 | 167 |
| 38 | Imidazolium Salt Ion Pairs in Solution. <i>Chemistry - A European Journal</i> , 2015, 21, 8324-8335. | 1.7 | 158 |
| 39 | Disclosure of the imidazolium cation coordination and stabilization mode in ionic liquid stabilized gold(0) nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 189-195. | 5.0 | 156 |
| 40 | Sputtering deposition of nanoparticles onto liquid substrates: Recent advances and future trends. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2468-2483. | 9.5 | 142 |
| 41 | Ionic liquid-phase asymmetric catalytic hydrogenation: hydrogen concentration effects on enantioselectivity. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1825-1828. | 1.8 | 140 |
| 42 | Carbon-Carbon Cross Coupling Reactions in Ionic Liquids Catalysed by Palladium Metal Nanoparticles. <i>Molecules</i> , 2010, 15, 3441-3461. | 1.7 | 137 |
| 43 | On the Extraction of Aromatic Compounds from Hydrocarbons by Imidazolium Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2007, 8, 593-605. | 1.8 | 136 |
| 44 | Ionic Liquid Surface Composition Controls the Size of Gold Nanoparticles Prepared by Sputtering Deposition. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11764-11768. | 1.5 | 134 |
| 45 | Copolymerization of ethylene with 1-hexene and 1-octene: correlation between type of catalyst and comonomer incorporated. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 3991-4000. | 1.1 | 133 |
| 46 | Laser-Induced Fragmentation of Transition Metal Nanoparticles in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2005, 127, 4588-4589. | 6.6 | 133 |
| 47 | Selective CO ₂ Hydrogenation to Formic Acid with Multifunctional Ionic Liquids. <i>ACS Catalysis</i> , 2018, 8, 1628-1634. | 5.5 | 132 |
| 48 | Chloropalladated Propargyl Amine: A Highly Efficient Phosphine-Free Catalyst Precursor for the Heck Reaction. <i>Organic Letters</i> , 2003, 5, 983-986. | 2.4 | 131 |
| 49 | Nanoscale Ru(0) Particles: Arene Hydrogenation Catalysts in Imidazolium Ionic Liquids. <i>Inorganic Chemistry</i> , 2008, 47, 8995-9001. | 1.9 | 128 |
| 50 | Supported Ionic Liquid Enzymatic Catalysis for the Production of Biodiesel. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 160-164. | 2.1 | 120 |
| 51 | Benzene partial hydrogenation: advances and perspectives. <i>Chemical Society Reviews</i> , 2015, 44, 1886-1897. | 18.7 | 120 |
| 52 | Biosensor based on platinum nanoparticles dispersed in ionic liquid and laccase for determination of adrenaline. <i>Sensors and Actuators B: Chemical</i> , 2009, 140, 252-259. | 4.0 | 113 |
| 53 | Turnover Numbers and Soluble Metal Nanoparticles. <i>ChemCatChem</i> , 2011, 3, 1413-1418. | 1.8 | 108 |
| 54 | Are Molecular 5,8-Extended Quinoxaline Derivatives Good Chromophores for Photoluminescence Applications?. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4924-4933. | 1.2 | 106 |

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|----|--|------|-----------|
| 55 | Cobalt Nanocubes in Ionic Liquids: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9075-9078. | 7.2 | 106 |
| 56 | Palladium nanoparticle catalysts in ionic liquids: synthesis, characterisation and selective partial hydrogenation of alkynes to Z-alkenes. <i>Journal of Materials Chemistry</i> , 2011, 21, 3030. | 6.7 | 105 |
| 57 | Rh(O) nanoparticles as catalyst precursors for the solventless hydroformylation of olefins. <i>Journal of Molecular Catalysis A</i> , 2006, 252, 212-218. | 4.8 | 104 |
| 58 | Two-phase catalytic hydrogenation of olefins by Ru(II) and Co(II) complexes dissolved in 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. <i>Inorganica Chimica Acta</i> , 1997, 255, 207-209. | 1.2 | 103 |
| 59 | Statistical design of experiments as a tool for optimizing the batch conditions to Cr(VI) biosorption on <i>Araucaria angustifolia</i> wastes. <i>Journal of Hazardous Materials</i> , 2006, 133, 143-153. | 6.5 | 103 |
| 60 | Ta ₂ O ₅ Nanotubes Obtained by Anodization: Effect of Thermal Treatment on the Photocatalytic Activity for Hydrogen Production. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14022-14030. | 1.5 | 103 |
| 61 | Self-Organized TiO ₂ Nanotube Arrays: Synthesis by Anodization in an Ionic Liquid and Assessment of Photocatalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1359-1365. | 4.0 | 102 |
| 62 | Reactions of cyclopalladated compounds. Part 21. Various examples of sulphur-assisted intramolecular palladation of aryl and alkyl groups. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1715. | 1.1 | 101 |
| 63 | 1-n-Butyl-3-methylimidazolium tetrachloro-indate (BMIL ₄ Cl ₄) as a media for the synthesis of biodiesel from vegetable oils. <i>Journal of Catalysis</i> , 2007, 249, 154-161. | 3.1 | 100 |
| 64 | On the involvement of NHC carbenes in catalytic reactions by iridium complexes, nanoparticle and bulk metal dispersed in imidazolium ionic liquids. <i>Dalton Transactions</i> , 2007, , 5554. | 1.6 | 96 |
| 65 | Remote-controlled experiments with cloud chemistry. <i>Nature Chemistry</i> , 2015, 7, 1-5. | 6.6 | 96 |
| 66 | lonophilic Phosphines: Versatile Ligands for Ionic Liquid Biphasic Catalysis. <i>Organic Letters</i> , 2008, 10, 237-240. | 2.4 | 94 |
| 67 | Synthesis of gold nanoparticles by laser ablation of an Au foil inside and outside ionic liquids. <i>Nanoscale</i> , 2011, 3, 1240. | 2.8 | 94 |
| 68 | Paramagnetic ionic liquid-coated SiO ₂ @Fe ₃ O ₄ nanoparticles – The next generation of magnetically recoverable nanocatalysts applied in the glycolysis of PET. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118110. | 10.8 | 94 |
| 69 | Ionic Liquid Supported Acid/Base-Catalyzed Production of Biodiesel. <i>ChemSusChem</i> , 2008, 1, 759-762. | 3.6 | 87 |
| 70 | Selective two-phase catalytic ethylene dimerization by NiII complexes/AlEtCl ₂ dissolved in organoaluminate ionic liquids. <i>Polyhedron</i> , 1996, 15, 3257-3259. | 1.0 | 86 |
| 71 | A novel support for laccase immobilization: Cellulose acetate modified with ionic liquid and application in biosensor for methyl dopa detection. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3549-3554. | 5.3 | 86 |
| 72 | On the Species Involved in the Vaporization of Imidazolium Ionic Liquids in a Steam-Distillation-Like Process. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7251-7254. | 7.2 | 85 |

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|----|---|------|-----------|
| 73 | Room temperature molten salts: neoteric "green" solvents for chemical reactions and processes. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, . | 0.6 | 85 |
| 74 | Synthesis of gold nanoparticles in a biocompatible fluid from sputtering deposition onto castor oil. <i>Chemical Communications</i> , 2010, 46, 7019. | 2.2 | 84 |
| 75 | Biosensor for luteolin based on silver or gold nanoparticles in ionic liquid and laccase immobilized in chitosan modified with cyanuric chloride. <i>Analyst, The</i> , 2009, 134, 2320. | 1.7 | 83 |
| 76 | Title is missing!. <i>Catalysis Letters</i> , 2001, 77, 131-133. | 1.4 | 82 |
| 77 | On the Use of Non-Symmetrical Mixed PCN and SCN Pincer Palladacycles as Catalyst Precursors for the Heck Reaction. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 617-624. | 2.1 | 80 |
| 78 | Imidazolium ionic liquids as promoters and stabilising agents for the preparation of metal(0) nanoparticles by reduction and decomposition of organometallic complexes. <i>Nanoscale</i> , 2010, 2, 2601. | 2.8 | 80 |
| 79 | Regioselective synthesis of 2-arylpropionic esters by palladium-catalyzed hydroesterification of styrene derivatives in molten salt media. <i>Tetrahedron Letters</i> , 1998, 39, 7071-7074. | 0.7 | 79 |
| 80 | Nanostructures in ionic liquids: correlation of iridium nanoparticles's size and shape with imidazolium salts's structural organization and catalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6826. | 1.3 | 79 |
| 81 | Preparation, cation-anion interactions and physicochemical properties of ether-functionalized imidazolium ionic liquids. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 426-433. | 0.6 | 77 |
| 82 | Selective Carbon Dioxide Hydrogenation Driven by Ferromagnetic RuFe Nanoparticles in Ionic Liquids. <i>ACS Catalysis</i> , 2018, 8, 1621-1627. | 5.5 | 77 |
| 83 | Catalytic Gas-Liquid Processing Using Cobalt Nanoparticles Dispersed in Imidazolium Ionic Liquids. <i>ChemSusChem</i> , 2008, 1, 291-294. | 3.6 | 76 |
| 84 | Catalytic production of biodiesel and diesel-like hydrocarbons from triglycerides. <i>Energy and Environmental Science</i> , 2009, 2, 1258. | 15.6 | 76 |
| 85 | Synthesis and Characterisation of Fluorescent Carbon Nanodots Produced in Ionic Liquids by Laser Ablation. <i>Chemistry - A European Journal</i> , 2016, 22, 138-143. | 1.7 | 75 |
| 86 | Biosensor based on laccase and an ionic liquid for determination of rosmarinic acid in plant extracts. <i>Talanta</i> , 2009, 77, 1322-1327. | 2.9 | 74 |
| 87 | Competitive Hydrogenation of Alkyl-Substituted Arenes by Transition-Metal Nanoparticles: Correlation with the Alkyl-Steric Effect. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 847-853. | 2.1 | 72 |
| 88 | Oxidative Desulfurization of Fuels with Task-Specific Ionic Liquids. <i>ChemSusChem</i> , 2009, 2, 962-964. | 3.6 | 72 |
| 89 | Use of an optofluidic microreactor and Cu nanoparticles synthesized in ionic liquid and embedded in TiO ₂ for an efficient photoreduction of CO ₂ to methanol. <i>Chemical Engineering Journal</i> , 2021, 404, 126643. | 6.6 | 72 |
| 90 | On the Use of Ruthenium Dioxide in 1-n-Butyl-3-Methylimidazolium Ionic Liquids as Catalyst Precursor for Hydrogenation Reactions. <i>Catalysis Letters</i> , 2004, 92, 149-155. | 1.4 | 71 |

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|-----|---|-----|-----------|
| 91 | A Rational Approach to CO ₂ Capture by Imidazolium Ionic Liquids: Tuning CO ₂ Solubility by Cation Alkyl Branching. <i>ChemSusChem</i> , 2015, 8, 1935-1946. | 3.6 | 70 |
| 92 | Carbon Dioxide Capture by Aqueous Ionic Liquid Solutions. <i>ChemSusChem</i> , 2017, 10, 4927-4933. | 3.6 | 70 |
| 93 | The role of ionic liquids in co-catalysis of Baylis-Hillman reaction: interception of supramolecular species via electrospray ionization mass spectrometry. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 731-736. | 0.9 | 69 |
| 94 | Probing the chemical interaction between iridium nanoparticles and ionic liquid by XPS analysis. <i>Chemical Physics Letters</i> , 2009, 479, 113-116. | 1.2 | 69 |
| 95 | Reductive sulfur extrusion reaction of 2,1,3-benzothiadiazole compounds: a new methodology using NaBH ₄ /CoCl ₂ ·6H ₂ O(cat) as the reducing system. <i>Tetrahedron Letters</i> , 2005, 46, 6843-6846. | 0.7 | 68 |
| 96 | Biosensor for chlorogenic acid based on an ionic liquid containing iridium nanoparticles and polyphenol oxidase. <i>Talanta</i> , 2009, 79, 222-228. | 2.9 | 68 |
| 97 | 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 |
| 98 | Tuning the selectivity of ruthenium nanoscale catalysts with functionalised ionic liquids: Hydrogenation of nitriles. <i>Journal of Molecular Catalysis A</i> , 2009, 313, 74-78. | 4.8 | 67 |
| 99 | Sputtering onto Liquids: From Thin Films to Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16362-16367. | 1.5 | 67 |
| 100 | Electrochemical Behavior of Vitreous Glass Carbon and Platinum Electrodes in the Ionic Liquid 1-n-Butyl-3-Methylimidazolium Trifluoroacetate. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 106-109. | 0.6 | 66 |
| 101 | Hydrogen-Storage Materials Based on Imidazolium Ionic Liquids. <i>Energy & Fuels</i> , 2007, 21, 1695-1698. | 2.5 | 66 |
| 102 | Reactivity of cyclopalladated compounds. 20. Isolation of a bis(η ⁴ -arene)dipalladium(I) complex during the annelation of palladated aryl groups with diphenylacetylene. <i>Organometallics</i> , 1989, 8, 1116-1118. | 1.1 | 65 |
| 103 | Reactivity of cyclopalladated compounds. Part 18. Compared reactivity of the Pd-σ-C bonds of two closely related six-membered palladocyclic rings with substituted alkynes. X-Ray and molecular structures of [Pd{C(Ph)î€†C(R)C(Ph)î€†C(R)(o-C6H4Nî€†CMeNHPh)}Cl] (R = CO ₂ Et) and [Pd{C(R)[C(CO ₂ Me)C(R)î€†C(R)C(R)î€†C(R)] [o-C6H4Nî€†CMe(OH)]}Cl] (R = CO ₂ Me). <i>Journal of the Chemical Society, Dalton Transactions</i> , 1989, , 2421-2429. | 1.1 | 64 |
| 104 | New Sensitive Fluorophores for Selective DNA Detection. <i>Organic Letters</i> , 2007, 9, 4001-4004. | 2.4 | 64 |
| 105 | Ruthenium dioxide nanoparticles in ionic liquids: synthesis, characterization and catalytic properties in hydrogenation of olefins and arenes. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 901-910. | 0.6 | 63 |
| 106 | Ruthenium-catalyzed Hydroformylation of Alkenes by using Carbon Dioxide as the Carbon Monoxide Source in the Presence of Ionic Liquids. <i>ChemCatChem</i> , 2014, 6, 2224-2228. | 1.8 | 63 |
| 107 | Supported ionic liquid phase rhodium nanoparticle hydrogenation catalysts. <i>Dalton Transactions</i> , 2007, , 5549. | 1.6 | 62 |
| 108 | Imidazolium-Based Zwitterionic Surfactant: A New Amphiphilic Pd Nanoparticle Stabilizing Agent. <i>Langmuir</i> , 2012, 28, 833-840. | 1.6 | 62 |

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|-----|---|------|-----------|
| 109 | Reactivity of cyclopalladated compounds. Part 17. Influence of the donor atom in metallacyclic rings on the insertion of tert-butyl isocyanide and carbon monoxide into their palladium-carbon bonds. X-ray molecular structure of cyclo-[Pd(.eta.-(CN)-mu.-C(C6H4CH2SMe):NBu-tert)Br]2. <i>Organometallics</i> , 1987, 6, 899-901. | 1.1 | 60 |
| 110 | Intermolecular hydroamination and hydroarylation reactions of alkenes in ionic liquids. <i>Tetrahedron Letters</i> , 2006, 47, 6775-6779. | 0.7 | 60 |
| 111 | A Simple and Efficient Copper-Free Catalytic System Based on a Palladacycle for the Arylation of Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 133-141. | 2.1 | 60 |
| 112 | Biomonitoring of methomyl pesticide by laccase inhibition on sensor containing platinum nanoparticles in ionic liquid phase supported in montmorillonite. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 331-339. | 4.0 | 60 |
| 113 | Pronounced ionic liquid effect in the synthesis of biologically active isatin-3-oxime derivatives under acid catalysis. <i>Tetrahedron Letters</i> , 2008, 49, 5639-5641. | 0.7 | 59 |
| 114 | Solvation of Carbon Dioxide in [C ₄ mim][BF ₄] and [C ₄ mim][PF ₆] Ionic Liquids Revealed by High-Pressure NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13024-13027. | 7.2 | 59 |
| 115 | CO ₂ Electroreduction in Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019, 7, 102. | 1.8 | 59 |
| 116 | Organosilicon-modified silicas as support for zirconocene catalyst. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 103-113. | 4.8 | 58 |
| 117 | High pressure infrared and nuclear magnetic resonance studies of the rhodium-sulfoxantphos catalysed hydroformylation of 1-octene in ionic liquids. <i>New Journal of Chemistry</i> , 2003, 27, 1294. | 1.4 | 58 |
| 118 | Structural aspects of transition-metal nanoparticles in imidazolium ionic liquids. <i>International Journal of Nanotechnology</i> , 2007, 4, 541. | 0.1 | 58 |
| 119 | Photo-induced reforming of alcohols with improved hydrogen apparent quantum yield on TiO ₂ nanotubes loaded with ultra-small Pt nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14440-14450. | 3.8 | 58 |
| 120 | Comparison of the photocatalytic degradation of trypan blue by undoped and silver-doped zinc oxide nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 7-17. | 1.9 | 56 |
| 121 | Reactions of cyclopalladated compounds. Part 24. Reactivity of the Pd-C bond of cyclopalladated compounds towards isocyanides and carbon monoxide. Role of the donor group. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3193-3198. | 1.1 | 55 |
| 122 | On the formation of anisotropic gold nanoparticles by sputtering onto a nitrile functionalised ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13552. | 1.3 | 55 |
| 123 | Sputtering deposition of magnetic Ni nanoparticles directly onto an enzyme surface: a novel method to obtain a magnetic biocatalyst. <i>Chemical Communications</i> , 2013, 49, 1273. | 2.2 | 55 |
| 124 | Revealing Hydrogenation Reaction Pathways on Naked Gold Nanoparticles. <i>ACS Catalysis</i> , 2017, 7, 2791-2799. | 5.5 | 55 |
| 125 | On the real catalytically active species for CO ₂ fixation into cyclic carbonates under near ambient conditions: Dissociation equilibrium of [BMIm][Fe(NO)2Cl2] dependant on reaction temperature. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 240-250. | 10.8 | 55 |
| 126 | The trans-Chloropalladation Reaction of Propargyl Amines and Thioethers. X-ray Crystal Structure of trans-[Pd-trans-C(Ph)C(Cl)CH(Me)S(i-Pr)(Cl)(Py)]. <i>Organometallics</i> , 1997, 16, 2386-2391. | 1.1 | 54 |

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|-----|--|-----|-----------|
| 127 | Pd(II)-dissolved in ionic liquids: a recyclable catalytic system for the selective biphasic hydrogenation of dienes to monoenes. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 293-297. | 0.6 | 54 |
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