# Ignacio Funes-Ardoiz

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 49 papers | 1,088 citations | 19 h-index | 31 g-index |
| 56 ext. papers | 1,446 ext. citations | 8.7 avg, IF | 5.02 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 49 | Mechanistic Studies on the Synthesis of Pyrrolidines and Piperidines via Copper-Catalyzed Intramolecular C-H Amination.. *Organometallics*, **2022**, 41, 1099-1105 | 3.8 | 1 |
| 48 | Modular access to substituted cyclohexanes with kinetic stereocontrol.. *Science*, **2022**, 376, 749-753 | 33.3 | 1 |
| 47 | Accelerated dinuclear palladium catalyst identification through unsupervised machine learning. *Science*, **2021**, 374, 1134-1140 | 33.3 | 7 |
| 46 | Dual Photoredox/Cobaloxime Catalysis for Cross-Dehydrogenative Heteroarylation of Amines. *Organic Letters*, **2021**, 23, 5378-5382 | 6.2 | 2 |
| 45 | Hydroalkylation of Unactivated Olefins via Visible-Light-Driven Dual Hydrogen Atom Transfer Catalysis. *Journal of the American Chemical Society*, **2021**, 143, 11251-11261 | 16.4 | 12 |
| 44 | Consecutive Ligand-Based Electron Transfer in New Molecular Copper-Based Water Oxidation Catalysts. *Angewandte Chemie*, **2021**, 133, 18787-18792 | 3.6 | 2 |
| 43 | Consecutive Ligand-Based Electron Transfer in New Molecular Copper-Based Water Oxidation Catalysts. *Angewandte Chemie - International Edition*, **2021**, 60, 18639-18644 | 16.4 | 14 |
| 42 | Modular and Selective Arylation of Aryl Germanes (C-GeEt ) over C-Bpin, C-SiR and Halogens Enabled by Light-Activated Gold Catalysis. *Angewandte Chemie - International Edition*, **2020**, 59, 15543-15548 | 16.4 | 37 |
| 41 | Modular and Selective Arylation of Aryl Germanes (C GeEt3) over C Bpin, C SiR3 and Halogens Enabled by Light-Activated Gold Catalysis. *Angewandte Chemie*, **2020**, 132, 15673-15678 | 3.6 | 8 |
| 40 | Selective ortho-Functionalization of Adamantylarenes Enabled by Dispersion and an Air-Stable Palladium(I) Dimer. *Angewandte Chemie*, **2020**, 132, 7795-7799 | 3.6 | 7 |
| 39 | Selective ortho-Functionalization of Adamantylarenes Enabled by Dispersion and an Air-Stable Palladium(I) Dimer. *Angewandte Chemie - International Edition*, **2020**, 59, 7721-7725 | 16.4 | 19 |
| 38 | Stability of Hierarchically Formed Titanium(IV) Tris(catecholate ester) Helicates with Cyclohexyl Substituents in DMSO. *Inorganic Chemistry*, **2020**, 59, 1758-1762 | 5.1 | 5 |
| 37 | Work-hardening Photopolymer from Renewable Photoactive 3,3 (2,5-Furandiyl)bisacrylic Acid. *ChemSusChem*, **2020**, 13, 4140-4150 | 8.3 | 2 |
| 36 | Photocontrolled Cobalt Catalysis for Selective Hydroboration of Unsaturated Ketones. *Angewandte Chemie - International Edition*, **2020**, 59, 21176-21182 | 16.4 | 16 |
| 35 | Established and Emerging Computational Tools to Study Homogeneous Catalysis rom Quantum Mechanics to Machine Learning. *CheM*, **2020**, 6, 1904-1913 | 16.2 | 20 |
| 34 | Four Oxidation States in a Single Photoredox Nickel-Based Catalytic Cycle: A Computational Study. *Angewandte Chemie - International Edition*, **2019**, 58, 3898-3902 | 16.4 | 17 |
| 33 | Four Oxidation States in a Single Photoredox Nickel-Based Catalytic Cycle: A Computational Study. *Angewandte Chemie*, **2019**, 131, 3938-3942 | 3.6 | 2 |

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| 32 | Copper-Catalyzed N-F Bond Activation for Uniform Intramolecular C-H Amination Yielding Pyrrolidines and Piperidines. *Angewandte Chemie - International Edition*, **2019**, 58, 8912-8916 | 16.4 | 45 |
| 31 | The Role of Electron-Donor Substituents in the Family of OPBAN-Cu Water Oxidation Catalysts: Effect on the Degradation Pathways and Efficiency. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2109-2114 | 2.3 | 7 |
| 30 | Computational Characterization of Single-Electron Transfer Steps in Water Oxidation. *Inorganics*, **2019**, 7, 32 | 2.9 | 8 |
| 29 | Enantioselective Synthesis of 3-Heterosubstituted-2-amino-1-ols by Sequential Metal-Free Diene Aziridination/Kinetic Resolution. *Chemistry - A European Journal*, **2019**, 25, 12628-12635 | 4.8 | 3 |
| 28 | Orthogonal Nanoparticle Catalysis with Organogermanes. *Angewandte Chemie*, **2019**, 131, 17952-17959 | 3.6 | 17 |
| 27 | Orthogonal Nanoparticle Catalysis with Organogermanes. *Angewandte Chemie - International Edition*, **2019**, 58, 17788-17795 | 16.4 | 41 |
| 26 | On the Use of Thermodynamic Cycles for the Calculation of Standard Potentials for the Oxidation of Solid Metals in Solution. *ChemPhysChem*, **2019**, 20, 159-162 | 3.2 | |
| 25 | GARLEEK: Adding an extra flavor to ONIOM. *Journal of Computational Chemistry*, **2019**, 40, 381-386 | 3.5 | 6 |
| 24 | Elucidating the Mechanism of Aryl Aminations Mediated by NHC-Supported Nickel Complexes: Evidence for a Nonradical Ni(0)/Ni(II) Pathway. *ACS Catalysis*, **2018**, 8, 3733-3742 | 13.1 | 41 |
| 23 | Enantioselective Synthesis of Aminodiols by Sequential Rhodium-Catalysed Oxyamination/Kinetic Resolution: Expanding the Substrate Scope of Amidine-Based Catalysis. *Chemistry - A European Journal*, **2018**, 24, 4635-4642 | 4.8 | 13 |
| 22 | Oxidative Coupling Mechanisms: Current State of Understanding. *ACS Catalysis*, **2018**, 8, 1161-1172 | 13.1 | 56 |
| 21 | Computational Characterization of the Mechanism for the Oxidative Coupling of Benzoic Acid and Alkynes by Rhodium/Copper and Rhodium/Silver Systems. *Chemistry - A European Journal*, **2018**, 24, 12383-12388 | 4.8 | 20 |
| 20 | Accelerated Ru-Cu Trinuclear Cooperative C-H Bond Functionalization of Carbazoles: A Kinetic and Computational Investigation. *Chemistry - A European Journal*, **2018**, 24, 15178-15184 | 4.8 | 9 |
| 19 | Catalytic Enantio- and Diastereoselective Mannich Addition of TosMIC to Ketimines. *Chemistry - A European Journal*, **2018**, 24, 17660-17664 | 4.8 | 15 |
| 18 | Palladium-Catalyzed Aerobic Homocoupling of Alkynes: Full Mechanistic Characterization of a More Complex Oxidase-Type Behavior. *ACS Catalysis*, **2018**, 8, 7495-7506 | 13.1 | 20 |
| 17 | Unexpected [4 + 2] Cycloaddition through Chromium Non-Heteroatom-Stabilized Alkynyl Carbene Complexes: Regioselective Access to Substituted 6-Azaindoles. *Organic Letters*, **2018**, 20, 4099-4102 | 6.2 | 10 |
| 16 | Single Electron Transfer Steps in Water Oxidation Catalysis. Redefining the Mechanistic Scenario. *ACS Catalysis*, **2017**, 7, 1712-1719 | 13.1 | 51 |
| 15 | Rational Design and Synthesis of Efficient Sunscreens To Boost the Solar Protection Factor. *Angewandte Chemie*, **2017**, 129, 2676-2679 | 3.6 | 6 |

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| 14 | Rational Design and Synthesis of Efficient Sunscreens To Boost the Solar Protection Factor. *Angewandte Chemie - International Edition*, **2017**, 56, 2632-2635 | 16.4 | 35 |
| 13 | Halide Abstraction Competes with Oxidative Addition in the Reactions of Aryl Halides with [Ni(PMe Ph ) ]. *Chemistry - A European Journal*, **2017**, 23, 16728-16733 | 4.8 | 36 |
| 12 | Cooperative Reductive Elimination: The Missing Piece in the Oxidative-Coupling Mechanistic Puzzle. *Angewandte Chemie*, **2016**, 128, 2814-2817 | 3.6 | 11 |
| 11 | Understanding the Mechanism of the Divergent Reactivity of Non-Heteroatom-Stabilized Chromium Carbene Complexes with Furfural Imines: Formation of Benzofurans and Azetines. *Journal of Organic Chemistry*, **2016**, 81, 1565-70 | 4.2 | 13 |
| 10 | DFT Rationalization of the Diverse Outcomes of the Iodine(III)-Mediated Oxidative Amination of Alkenes. *Chemistry - A European Journal*, **2016**, 22, 7545-53 | 4.8 | 31 |
| 9 | Cooperative Reductive Elimination: The Missing Piece in the Oxidative-Coupling Mechanistic Puzzle. *Angewandte Chemie - International Edition*, **2016**, 55, 2764-7 | 16.4 | 38 |
| 8 | On the mechanism of the Shapiro reaction: understanding the regioselectivity. *RSC Advances*, **2015**, 5, 37292-37297 | 3.7 | 4 |
| 7 | Functionalization of CnH2n+2 Alkanes: Supercritical Carbon Dioxide Enhances the Reactivity towards Primary Carbon□Hydrogen Bonds. *ChemCatChem*, **2015**, 7, 3254-3260 | 5.2 | 19 |
| 6 | Redox Non-innocent Ligand Controls Water Oxidation Overpotential in a New Family of Mononuclear Cu-Based Efficient Catalysts. *Journal of the American Chemical Society*, **2015**, 137, 6758-61 | 16.4 | 210 |
| 5 | Intermolecular and regioselective access to polysubstituted benzo- and dihydrobenzo[c]azepine derivatives: modulating the reactivity of group 6 non-heteroatom-stabilized alkynyl carbene complexes. *Chemistry - A European Journal*, **2014**, 20, 7061-8 | 4.8 | 12 |
| 4 | Computational assessment of non-heteroatom-stabilized carbene complexes reactivity: formation of oxazine derivatives. *Journal of Organic Chemistry*, **2014**, 79, 11824-8 | 4.2 | 7 |
| 3 | Benzylidene□xazolones as photoswitches: photochemistry and theoretical calculations. *Tetrahedron*, **2013**, 69, 9766-9771 | 2.4 | 23 |
| 2 | Oxazolone-Based Photoswitches: Synthesis and Properties. *European Journal of Organic Chemistry*, **2013**, 2013, 6611-6618 | 3.2 | 31 |
| 1 | GoodVibes: automated thermochemistry for heterogeneous computational chemistry data. *F1000Research*,9, 291 | 3.6 | 74 |