

BelÃ©n Rubio-Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,291
citations

430754

18
h-index

414303

32
g-index

37
all docs

37
docs citations

37
times ranked

1740
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Lysophosphatidylcholine Regulates Sexual Stage Differentiation in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>Cell</i> , 2017, 171, 1532-1544.e15. | 13.5 | 259 |
| 2 | Cancer-derived exosomes loaded with ultrathin palladium nanosheets for targeted bioorthogonal catalysis. <i>Nature Catalysis</i> , 2019, 2, 864-872. | 16.1 | 218 |
| 3 | Gold-Triggered Uncaging Chemistry in Living Systems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12548-12552. | 7.2 | 128 |
| 4 | Efficient Palladium-Triggered Release of Vorinostat from a Bioorthogonal Precursor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9974-9980. | 2.9 | 90 |
| 5 | Bright insights into palladium-triggered local chemotherapy. <i>Chemical Science</i> , 2018, 9, 7354-7361. | 3.7 | 75 |
| 6 | Bioorthogonal Uncaging of the Active Metabolite of Irinotecan by Palladium-Functionalized Microdevices. <i>Chemistry - A European Journal</i> , 2018, 24, 16783-16790. | 1.7 | 47 |
| 7 | <i>Plasmodium falciparum</i> Choline Kinase Inhibition Leads to a Major Decrease in Phosphatidylethanolamine Causing Parasite Death. <i>Scientific Reports</i> , 2016, 6, 33189. | 1.6 | 39 |
| 8 | Pharmaco-genomic investigations of organo-iridium anticancer complexes reveal novel mechanism of action. <i>Metallomics</i> , 2018, 10, 93-107. | 1.0 | 39 |
| 9 | The Mechanism of Allosteric Coupling in Choline Kinase \pm 1 Revealed by the Action of a Rationally Designed Inhibitor. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4582-4586. | 7.2 | 36 |
| 10 | Bioorthogonal Uncaging of Cytotoxic Paclitaxel through Pd Nanosheet-Hydrogel Frameworks. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9650-9659. | 2.9 | 33 |
| 11 | Effects of Indomethacin, Nimesulide, and Diclofenac on Human MG-63 Osteosarcoma Cell Line. <i>Biological Research for Nursing</i> , 2012, 14, 98-107. | 1.0 | 32 |
| 12 | Gold-Triggered Uncaging Chemistry in Living Systems. <i>Angewandte Chemie</i> , 2017, 129, 12722-12726. | 1.6 | 30 |
| 13 | High-Precision Photothermal Ablation Using Biocompatible Palladium Nanoparticles and Laser Scanning Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3341-3348. | 4.0 | 28 |
| 14 | Design, synthesis, theoretical calculations and biological evaluation of new non-symmetrical choline kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 154-162. | 2.6 | 27 |
| 15 | Effect of acetaminophen (paracetamol) on human osteosarcoma cell line MG63. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1495-1499. | 2.8 | 24 |
| 16 | N-alkynyl derivatives of 5-fluorouracil: susceptibility to palladium-mediated dealkylation and toxicity in cancer cell culture. <i>Frontiers in Chemistry</i> , 2014, 2, 56. | 1.8 | 22 |
| 17 | Discovery of a New Binding Site on Human Choline Kinase \pm 1: Design, Synthesis, Crystallographic Studies, and Biological Evaluation of Asymmetrical Bispyridinium Derivatives. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 507-515. | 2.9 | 21 |
| 18 | A 5-FU Precursor Designed to Evade Anabolic and Catabolic Drug Pathways and Activated by Pd Chemistry <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2022, 65, 552-561. | 2.9 | 20 |

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|----|--|-----|-----------|
| 19 | Design and manufacture of functional catalyst-carrier structures for the bioorthogonal activation of anticancer agents. <i>New Journal of Chemistry</i> , 2019, 43, 1449-1458. | 1.4 | 17 |
| 20 | Nondestructive production of exosomes loaded with ultrathin palladium nanosheets for targeted bio-orthogonal catalysis. <i>Nature Protocols</i> , 2021, 16, 131-163. | 5.5 | 16 |
| 21 | Determination of Potential Scaffolds for Human Choline Kinase $\hat{\pm}$ 1 by Chemical Deconvolution Studies. <i>ChemBioChem</i> , 2013, 14, 1291-1295. | 1.3 | 15 |
| 22 | Recent advances in the design of choline kinase $\hat{\pm}$ inhibitors and the molecular basis of their inhibition. <i>Medicinal Research Reviews</i> , 2021, 41, 902-927. | 5.0 | 13 |
| 23 | Has Catechol-O-Methyltransferase Genotype (Val158Met) an Influence on Endocrine, Sympathetic Nervous and Humoral Immune Systems in Women With Fibromyalgia Syndrome?. <i>Clinical Journal of Pain</i> , 2014, 30, 199-204. | 0.8 | 11 |
| 24 | InÂvitro antiplasmodial and cytotoxic activities of asymmetrical pyridinium derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 289-292. | 2.6 | 10 |
| 25 | A minimally-masked inactive prodrug of panobinostat that is bioorthogonally activated by gold chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 41, 116217. | 1.4 | 10 |
| 26 | Influence of Gender in the Psychoneuroimmunological Response to Therapeutic Interval Exercise. <i>Biological Research for Nursing</i> , 2012, 14, 357-363. | 1.0 | 7 |
| 27 | Antiproliferative Activity, Cell Cycle, and Apoptosis Studies of a Series of 6-Substituted 9H-Purin-9-yl-pyridinium Derivatives on a Human Cervical Carcinoma Cell Line. <i>ChemMedChem</i> , 2013, 8, 1266-1269. | 1.6 | 7 |
| 28 | Purine derivatives with heterocyclic moieties and related analogs as new antitumor agents. <i>Future Medicinal Chemistry</i> , 2019, 11, 83-95. | 1.1 | 6 |
| 29 | Selective Anticancer Therapy Based on a HA-CD44 Interaction Inhibitor Loaded on Polymeric Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 788. | 2.0 | 4 |
| 30 | ¹ H and ¹³ C NMR spectral assignments of pyridinium salts linked to a ⁹ H-purin-9-yl-adenine moiety. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 466-469. | 1.1 | 3 |
| 31 | Choline kinase inhibition and docking studies of a series of 6-(benzylthio)-9H-purin-9-yl-pyridinium derivatives. <i>Medicinal Chemistry Research</i> , 2017, 26, 2809-2815. | 1.1 | 2 |
| 32 | NMR spectroscopic characterization of new nonsymmetrical bispyridinium choline kinase inhibitors. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 470-473. | 1.1 | 0 |
| 33 | InnenrÃ¼cktitelbild: Gold-Triggered Uncaging Chemistry in Living Systems (<i>Angew. Chem.</i> 41/2017). <i>Angewandte Chemie</i> , 2017, 129, 12965-12965. | 1.6 | 0 |
| 34 | Masking Strategies for the Bioorthogonal Release of Anticancer Glycosides. , 2018, , 269-298. | | 0 |
| 35 | Frontispiece: Bioorthogonal Uncaging of the Active Metabolite of Irinotecan by Palladium-Functionalized Microdevices. <i>Chemistry - A European Journal</i> , 2018, 24, . | 1.7 | 0 |