

Rosario MarÃ-a SÃ;nchez MartÃ-n

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,507
citations

394421

19
h-index

315739

38
g-index

50
all docs

50
docs citations

50
times ranked

1860
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Palladium-mediated intracellular chemistry. <i>Nature Chemistry</i> , 2011, 3, 239-243. | 13.6 | 445 |
| 2 | Synthesis of polystyrene microspheres and functionalization with PdO nanoparticles to perform bioorthogonal organometallic chemistry in living cells. <i>Nature Protocols</i> , 2012, 7, 1207-1218. | 12.0 | 119 |
| 3 | pH sensing in living cells using fluorescent microspheres. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 313-317. | 2.2 | 79 |
| 4 | Microsphere-Based Real-Time Calcium Sensing. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5472-5474. | 13.8 | 66 |
| 5 | Bead-Based Cellular Analysis, Sorting and Multiplexing. <i>ChemBioChem</i> , 2005, 6, 1341-1345. | 2.6 | 60 |
| 6 | The Impact of Combinatorial Methodologies on Medicinal Chemistry. <i>Current Topics in Medicinal Chemistry</i> , 2004, 4, 653-669. | 2.1 | 49 |
| 7 | Cell penetrable peptoid carrier vehicles: synthesis and evaluation Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b306438g/ . <i>Chemical Communications</i> , 2003, , 2312. | 4.1 | 43 |
| 8 | miRNA in situ hybridization in circulating tumor cells - MishCTC. <i>Scientific Reports</i> , 2015, 5, 9207. | 3.3 | 37 |
| 9 | Peptoid dendrimersâ€™ microwave-assisted solid-phase synthesis and transfection agent evaluation. <i>Tetrahedron Letters</i> , 2008, 49, 923-926. | 1.4 | 35 |
| 10 | Investigation of microsphere-mediated cellular delivery by chemical, microscopic and gene expression analysis. <i>Molecular BioSystems</i> , 2010, 6, 399-409. | 2.9 | 34 |
| 11 | Number of Nanoparticles per Cell through a Spectrophotometric Method - A key parameter to Assess Nanoparticle-based Cellular Assays. <i>Scientific Reports</i> , 2015, 5, 10091. | 3.3 | 33 |
| 12 | Bispyridinium Cyclophanes:â€™ Novel Templates for Human Choline Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3754-3757. | 6.4 | 31 |
| 13 | Influence of the Linker in Bispyridium Compounds on the Inhibition of Human Choline Kinase. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5433-5440. | 6.4 | 29 |
| 14 | Microsphere-based tracing and molecular delivery in embryonic stem cells. <i>Biomaterials</i> , 2009, 30, 5853-5861. | 11.4 | 28 |
| 15 | Microsphereâ€™Mediated Protein Delivery into Cells. <i>ChemBioChem</i> , 2009, 10, 1453-1456. | 2.6 | 27 |
| 16 | Synthesis and cellular uptake of cell delivering PNAâ€™peptide conjugates. <i>Chemical Communications</i> , 2005, , 3316. | 4.1 | 25 |
| 17 | <i>Multifunctionalized Biocompatible Microspheres for Sensing</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 207-217. | 3.8 | 22 |
| 18 | Novel bead-based platform for direct detection of unlabelled nucleic acids through Single Nucleobase Labelling. <i>Talanta</i> , 2016, 161, 489-496. | 5.5 | 22 |

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|----|--|------|-----------|
| 19 | The Use of Solid Supports to Generate Nucleic Acid Carriers. <i>Accounts of Chemical Research</i> , 2012, 45, 1140-1152. | 15.6 | 21 |
| 20 | Knocking (Anti)-Sense into Cells: The Microsphere Approach to Gene Silencing. <i>Bioconjugate Chemistry</i> , 2009, 20, 422-426. | 3.6 | 19 |
| 21 | A versatile theranostic nanodevice based on an orthogonal bioconjugation strategy for efficient targeted treatment and monitoring of triple negative breast cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102120. | 3.3 | 19 |
| 22 | Conformational Dynamics of a Bispyridinium Cyclophane. <i>Journal of Organic Chemistry</i> , 2003, 68, 8697-8699. | 3.2 | 17 |
| 23 | Mass Cytometry Tags: Where Chemistry Meets Single-Cell Analysis. <i>Analytical Chemistry</i> , 2021, 93, 657-664. | 6.5 | 17 |
| 24 | Identification of Trypanosomatids by detecting Single Nucleotide Fingerprints using DNA analysis by dynamic chemistry with MALDI-ToF. <i>Talanta</i> , 2018, 176, 299-307. | 5.5 | 16 |
| 25 | Identification and characterization of a bacterial hyaluronidase and its production in recombinant form. <i>FEBS Letters</i> , 2016, 590, 2180-2189. | 2.8 | 15 |
| 26 | Metallofluorescent Nanoparticles for Multimodal Applications. <i>ACS Omega</i> , 2018, 3, 144-153. | 3.5 | 15 |
| 27 | A PCR-free technology to detect and quantify microRNAs directly from human plasma. <i>Analyst</i> , The, 2018, 143, 5676-5682. | 3.5 | 15 |
| 28 | Microspheres as a vehicle for biomolecule delivery to neural stem cells. <i>New Biotechnology</i> , 2009, 25, 442-449. | 4.4 | 14 |
| 29 | Solid-phase synthesis of a lysine-capped bis-dendron with remarkable DNA delivery abilities. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2266. | 2.8 | 13 |
| 30 | Novel Strategy for Microsphere-Mediated DNA Transfection. <i>Bioconjugate Chemistry</i> , 2011, 22, 1904-1908. | 3.6 | 12 |
| 31 | PCR-free and chemistry-based technology for miR-21 rapid detection directly from tumour cells. <i>Talanta</i> , 2019, 200, 51-56. | 5.5 | 12 |
| 32 | Cellular response to empty and palladium-conjugated amino-polystyrene nanospheres uptake: A proteomic study. <i>Proteomics</i> , 2015, 15, 34-43. | 2.2 | 11 |
| 33 | Microsphere-Based Intracellular Sensing of Caspase-3/7 in Apoptotic Living Cells. <i>Macromolecular Bioscience</i> , 2014, 14, 923-928. | 4.1 | 10 |
| 34 | Drug Clicking on Cell-Penetrating Fluorescent Nanoparticles for In Cellulo Chemical Proteomics. <i>Bioconjugate Chemistry</i> , 2018, 29, 3154-3160. | 3.6 | 10 |
| 35 | Sulfhydryl reactive microspheres for the efficient delivery of thiolated bioactive cargoes. <i>Journal of Materials Chemistry</i> , 2011, 21, 12735. | 6.7 | 9 |
| 36 | A colorimetric strategy based on dynamic chemistry for direct detection of Trypanosomatid species. <i>Scientific Reports</i> , 2019, 9, 3696. | 3.3 | 9 |

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|----|--|-----|-----------|
| 37 | Characterization and Therapeutic Effect of a pH Stimuli Responsive Polymeric Nanoformulation for Controlled Drug Release. <i>Polymers</i> , 2020, 12, 1265. | 4.5 | 9 |
| 38 | Tracking cell proliferation using a nanotechnology-based approach. <i>Nanomedicine</i> , 2017, 12, 1591-1605. | 3.3 | 8 |
| 39 | Amplification-free profiling of microRNA-122 biomarker in DILI patient serums, using the luminex MAGPIX system. <i>Talanta</i> , 2020, 219, 121265. | 5.5 | 8 |
| 40 | Towards a model for the inhibition of choline kinase by a new type of inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 315-319. | 5.5 | 7 |
| 41 | Simultaneous Detection of Drug-Induced Liver Injury Protein and microRNA Biomarkers Using Dynamic Chemical Labelling on a Luminex MAGPIX System. <i>Analytica</i> "A Journal of Analytical Chemistry and Chemical Analysis", 2021, 2, 130-139. | 1.7 | 6 |
| 42 | An effective polymeric nanocarrier that allows for active targeting and selective drug delivery in cell coculture systems. <i>Nanoscale</i> , 2021, 13, 3500-3511. | 5.6 | 5 |
| 43 | Development of a nanotechnology-based approach for capturing and detecting nucleic acids by using flow cytometry. <i>Talanta</i> , 2021, 226, 122092. | 5.5 | 5 |
| 44 | Efficient solid phase strategy for preparation of modified xanthene dyes for biolabelling. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1720. | 2.8 | 4 |
| 45 | Selective Anticancer Therapy Based on a HA-CD44 Interaction Inhibitor Loaded on Polymeric Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 788. | 4.5 | 4 |
| 46 | ¹ H and ¹³ C spectral assignment of symmetrical bis[(4-aminosubstituted)quinolinium] derivatives. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 1066-1071. | 1.9 | 2 |
| 47 | Polystyrene nanoparticles facilitate the internalization of impermeable biomolecules in non-tumour and tumour cells from colon epithelium. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1. | 1.9 | 2 |
| 48 | Development of Cellular Models to Study Efficiency and Safety of Gene Edition by Homologous Directed Recombination Using the CRISPR/Cas9 System. <i>Cells</i> , 2020, 9, 1492. | 4.1 | 1 |