

Marc S Robillard

List of Publications by Year in descending order

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papers

2,656
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Inâ€¦Vivo Chemistry for Pretargeted Tumor Imaging in Live Mice. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3375-3378. | 13.8 | 427 |
| 2 | Click to Release: Instantaneous Doxorubicin Elimination upon Tetrazine Ligation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14112-14116. | 13.8 | 319 |
| 3 | Highly Reactive <i>trans</i> -Cyclooctene Tags with Improved Stability for Dielsâ€Alder Chemistry in Living Systems. <i>Bioconjugate Chemistry</i> , 2013, 24, 1210-1217. | 3.6 | 218 |
| 4 | Bioorthogonal chemistry. <i>Nature Reviews Methods Primers</i> , 2021, 1, . | 21.2 | 201 |
| 5 | Chemically triggered drug release from an antibody-drug conjugate leads to potent antitumour activity in mice. <i>Nature Communications</i> , 2018, 9, 1484. | 12.8 | 175 |
| 6 | Triggered Drug Release from an Antibodyâ€Drug Conjugate Using Fast â€Click-to-Releaseâ€Chemistry in Mice. <i>Bioconjugate Chemistry</i> , 2016, 27, 1697-1706. | 3.6 | 169 |
| 7 | Dielsâ€Alder Reaction for Tumor Pretargeting: In Vivo Chemistry Can Boost Tumor Radiation Dose Compared with Directly Labeled Antibody. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1989-1995. | 5.0 | 147 |
| 8 | Pretargeted imaging using bioorthogonal chemistry in mice. <i>Current Opinion in Chemical Biology</i> , 2014, 21, 161-169. | 6.1 | 96 |
| 9 | <i>Trans</i> -Cyclooctene Tag with Improved Properties for Tumor Pretargeting with the Dielsâ€Alder Reaction. <i>Molecular Pharmaceutics</i> , 2014, 11, 3090-3096. | 4.6 | 93 |
| 10 | Tumor Targeting of MMP-2/9 Activatable Cell-Penetrating Imaging Probes Is Caused by Tumor-Independent Activation. <i>Journal of Nuclear Medicine</i> , 2011, 52, 279-286. | 5.0 | 88 |
| 11 | Clickâ€Release from <i>trans</i> -Cyclooctenes: Mechanistic Insights and Expansion of Scope from Established Carbamate to Remarkable Ether Cleavage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10494-10499. | 13.8 | 83 |
| 12 | Diabody Pretargeting with Click Chemistry In Vivo. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1422-1428. | 5.0 | 64 |
| 13 | A Doxorubicin Prodrug Activated by the Staudinger Reaction. <i>Bioconjugate Chemistry</i> , 2008, 19, 714-718. | 3.6 | 62 |
| 14 | Bioorthogonal Tetrazine Carbamate Cleavage by Highly Reactive <i>trans</i> -Cyclooctene. <i>Journal of the American Chemical Society</i> , 2020, 142, 10955-10963. | 13.7 | 58 |
| 15 | Synthesis of Phosphine and Antibodyâ€Azide Probes for <i>In Vivo</i> Staudinger Ligation in a Pretargeted Imaging and Therapy Approach. <i>Bioconjugate Chemistry</i> , 2011, 22, 2072-2081. | 3.6 | 53 |
| 16 | <i>Trans</i> -Cyclooctene-Functionalized PeptoBrushes with Improved Reaction Kinetics of the Tetrazine Ligation for Pretargeted Nuclear Imaging. <i>ACS Nano</i> , 2020, 14, 568-584. | 14.6 | 50 |
| 17 | Lipophilicity and Click Reactivity Determine the Performance of Bioorthogonal Tetrazine Tools in Pretargeted <i>In Vivo</i> Chemistry. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 824-833. | 4.9 | 45 |
| 18 | DOTA-tetrazine probes with modified linkers for tumor pretargeting. <i>Nuclear Medicine and Biology</i> , 2017, 55, 19-26. | 0.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Chemical Control over T-Cell Activation <i>in Vivo</i> Using Deprotection of <i>trans</i> -Cyclooctene-Modified Epitopes. <i>ACS Chemical Biology</i> , 2018, 13, 1569-1576. | 3.4 | 29 |
| 20 | Imaging of MMP Activity in Postischemic Cardiac Remodeling Using Radiolabeled MMP-2/9 Activatable Peptide Probes. <i>Molecular Pharmaceutics</i> , 2014, 11, 1415-1423. | 4.6 | 26 |
| 21 | Metal-Free Cycloaddition Chemistry Driven Pretargeted Radioimmunotherapy Using β -Particle Radiation. <i>Bioconjugate Chemistry</i> , 2017, 28, 3007-3015. | 3.6 | 26 |
| 22 | Evaluation of the inverse electron demand Diels-Alder reaction in rats using a scandium-44-labelled tetrazine for pretargeted PET imaging. <i>EJNMMI Research</i> , 2019, 9, 49. | 2.5 | 24 |
| 23 | Evaluation of a ^{68}Ga -Labeled DOTA-Tetrazine as a PET Alternative to ^{111}In -SPECT Pretargeted Imaging. <i>Molecules</i> , 2020, 25, 463. | 3.8 | 21 |
| 24 | Click-to-Release from <i>trans</i> -Cyclooctenes: Mechanistic Insights and Expansion of Scope from Established Carbamate to Remarkable Ether Cleavage. <i>Angewandte Chemie</i> , 2018, 130, 10654-10659. | 2.0 | 17 |
| 25 | <i>In vivo</i> biodistribution of radiolabeled MMP-2/9 activatable cell-penetrating peptide probes in tumor-bearing mice. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 59-66. | 0.8 | 14 |
| 26 | Development of Radiolabeled Membrane Type-1 Matrix Metalloproteinase Activatable Cell Penetrating Peptide Imaging Probes. <i>Molecules</i> , 2015, 20, 12076-12092. | 3.8 | 12 |
| 27 | Tetrazine- <i>trans</i> -Cyclooctene Chemistry Applied to Fabricate Self-Assembled Fluorescent and Radioactive Nanoparticles for <i>In Vivo</i> Dual Mode Imaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 547-551. | 3.6 | 9 |
| 28 | Fluorogenic Bifunctional <i>trans</i> -Cyclooctenes as Efficient Tools for Investigating Click-to-Release Kinetics. <i>Chemistry - A European Journal</i> , 2020, 26, 9900-9904. | 3.3 | 7 |
| 29 | Editorial overview: <i>In vivo</i> chemistry: Pushing the envelope. <i>Current Opinion in Chemical Biology</i> , 2014, 21, v-vii. | 6.1 | 5 |