

# Ernesto G Mata

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Efficient, Stereoselective Solid-Phase Synthesis of $\beta$ -Lactams Using Mukaiyama's Salt for the Staudinger Reaction. <i>ACS Combinatorial Science</i> , 2003, 5, 208-210.	3.3	49
2	Synthesis of 3-(Aryl)alkenyl- $\beta$ -lactams by an Efficient Application of Olefin Cross-Metathesis on Solid Support. <i>Organic Letters</i> , 2006, 8, 4783-4786.	2.4	48
3	Stereoselective solid-phase synthesis of 3,4-substituted azetidinones as key intermediates for mono- and multicyclic $\beta$ -lactam antibiotics and enzyme inhibitors. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 905-910.	1.8	46
4	Prospect of Metal-Catalyzed C-C Forming Cross-Coupling Reactions in Modern Solid-Phase Organic Synthesis. <i>ACS Combinatorial Science</i> , 2008, 10, 487-497.	3.3	44
5	The non-metathetic role of Grubbs' carbene complexes: from hydrogen-free reduction of $\beta,\beta$ -unsaturated alkenes to solid-supported sequential cross-metathesis/reduction. <i>Chemical Communications</i> , 2011, 47, 1565-1567.	2.2	36
6	Solid-Supported Cross Metathesis and the Role of the Homodimerization of the Non-immobilized Olefin. <i>Journal of Organic Chemistry</i> , 2008, 73, 2024-2027.	1.7	33
7	Exploring the Solid-Phase Synthesis of 3,4-Disubstituted $\beta$ -Lactams: Scope and Limitations. <i>ACS Combinatorial Science</i> , 2005, 7, 331-344.	3.3	32
8	Cross Metathesis on Solid Support. Novel Strategy for the Generation of $\beta$ -Lactam Libraries Based on a Versatile and Multidetachable Olefin Linker. <i>ACS Combinatorial Science</i> , 2009, 11, 791-794.	3.3	28
9	Gold catalysis on immobilized substrates: a heteroannulation approach to the solid-supported synthesis of indoles. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2514.	1.5	23
10	Versatile and Efficient Solid-Supported Synthesis of C3-Anchored Monocyclic $\beta$ -Lactam Derivatives. <i>ACS Combinatorial Science</i> , 2007, 9, 189-192.	3.3	20
11	Unravelling the olefin cross metathesis on solid support. Factors affecting the reaction outcome. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3947.	1.5	20
12	Solid-phase based synthesis of biologically promising triazolyl aminoacyl (peptidyl) penicillins. <i>Tetrahedron Letters</i> , 2012, 53, 632-636.	0.7	20
13	In vitro anticancer activity and SAR studies of triazolyl aminoacyl(peptidyl) penicillins. <i>MedChemComm</i> , 2014, 5, 214.	3.5	19
14	Synthesis of propargylamines via the A <sup>3</sup> multicomponent reaction and their biological evaluation as potential anticancer agents. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2475-2486.	1.5	19
15	Stereoselective, solid phase-based synthesis of trans 3-alkyl-substituted $\beta$ -lactams as analogues of cholesterol absorption inhibitors. <i>Tetrahedron</i> , 2012, 68, 10780-10786.	1.0	16
16	Palladium-Catalyzed Cross-Coupling Reactions of Arylsiloxanes with Aryl Halides: Application to Solid-Supported Organic Synthesis. <i>ACS Combinatorial Science</i> , 2014, 16, 211-214.	3.8	15
17	Solid-Supported Cross-Metathesis and a Formal Alkane Metathesis for the Generation of Biologically Relevant Molecules. <i>ACS Combinatorial Science</i> , 2015, 17, 81-86.	3.8	14
18	A novel penicillin derivative induces antitumor effect in melanoma cells. <i>Anti-Cancer Drugs</i> , 2018, 29, 416-428.	0.7	13

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19	Very efficient and broad-in-scope palladium-catalyzed Hiyama cross-coupling. The role of water and copper(scp) salts. <i>RSC Advances</i> , 2015, 5, 26796-26800.	1.7	12
20	A Penicillin Derivative Exerts an Anti-Metastatic Activity in Melanoma Cells Through the Downregulation of Integrin $\alpha 3$ and Wnt/ $\beta$ -Catenin Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 127.	1.6	11
21	[2 + 2 + 2]-Cycloaddition Reactions Using Immobilized Alkynes. A Proof of Concept for an Integral Use of the Outcoming Products in Solid-Phase Synthetic Methodologies. <i>Journal of Organic Chemistry</i> , 2018, 83, 10001-10014.	1.7	10
22	Cross-Metathesis on Immobilized Substrates Application to the Generation of Synthetically and Biologically Relevant Structures. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1675-1693.	1.2	9
23	Chemoselective and Sequential Palladium-Catalyzed Couplings for the Generation of Stilbene Libraries via Immobilized Substrates. <i>ACS Combinatorial Science</i> , 2016, 18, 225-229.	3.8	8
24	Unprecedented Multifunctionality of Grubbs and Hoveyda Grubbs Catalysts: Competitive Isomerization, Hydrogenation, Silylation and Metathesis Occurring in Solution and on Solid Phase. <i>Catalysts</i> , 2017, 7, 111.	1.6	7
25	Searching for improved mimetic peptides inhibitors preventing conformational transition of amyloid- $\beta$ 42 monomer. <i>Bioorganic Chemistry</i> , 2018, 81, 211-221.	2.0	7
26	Immobilized boronic acid for Suzuki-Miyaura coupling: application to the generation of pharmacologically relevant molecules. <i>RSC Advances</i> , 2017, 7, 34994-35003.	1.7	6
27	Molecular Diversity by Olefin Cross-Metathesis on Solid Support. Generation of Libraries of Biologically Promising $\beta$ -Lactam Derivatives. <i>Molecules</i> , 2018, 23, 1193.	1.7	6
28	Contribution of endoplasmic reticulum stress, MAPK and PI3K/Akt pathways to the apoptotic death induced by a penicillin derivative in melanoma cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 34-48.	2.2	4
29	A solid- and solution-phase-based library of 2-methyl substituted penicillin derivatives and their effects on growth inhibition of tumor cell lines. <i>MedChemComm</i> , 2015, 6, 619-625.	3.5	3
30	Design, synthesis and cytotoxic evaluation of a library of oxadiazole-containing hybrids. <i>RSC Advances</i> , 2021, 11, 29741-29751.	1.7	3
31	Design, synthesis and cytotoxic evaluation of peptoid analogs of an anticancer active triazolylpeptidyl penicillin. <i>Future Medicinal Chemistry</i> , 2021, 13, 1127-1139.	1.1	1
32	Solid-phase cross metathesis: the effect of the non-immobilized olefin and the precatalyst on the intrasite interference. <i>Arkivoc</i> , 2009, 2010, 216-227.	0.3	1
33	Synergistic antitumor effect of a penicillin derivative combined with thapsigargin in melanoma cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 0, .	1.2	1
34	Gold-Catalyzed Addition of $\beta$ -Ketoesters to Alkenes: Influence of Electronic and Steric Effects in the Reaction Outcome. <i>Molecules</i> , 2018, 23, 629.	1.7	0