

Emilio Lence

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mycobacterium tuberculosis Shikimate Kinase Inhibitors: Design and Simulation Studies of the Catalytic Turnover. <i>Journal of the American Chemical Society</i> , 2013, 135, 12366-12376.	6.6	51
2	Molecular and biochemical insights into the in vivo evolution of AmpC-mediated resistance to ceftolozane/tazobactam during treatment of an MDR <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3209-3217.	1.3	26
3	The conformational rigidity of butane-1,2-diacetals as a powerful synthetic tool. <i>Chemical Society Reviews</i> , 2008, 37, 1689.	18.7	22
4	Challenging Antimicrobial Susceptibility and Evolution of Resistance (OXA-681) during Treatment of a Long-Term Nosocomial Infection Caused by a <i>Pseudomonas aeruginosa</i> ST175 Clone. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	22
5	Parallel Solid-Phase Synthesis and Evaluation of Inhibitors of <i>Streptomyces coelicolor</i> Type II Dehydroquinase. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5735-5744.	2.9	21
6	QM/MM simulations identify the determinants of catalytic activity differences between type II dehydroquinase enzymes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4443-4455.	1.5	19
7	Metal-Assisted Ring-Closing/Opening Process of a Chiral Tetrahydroquinazoline. <i>Inorganic Chemistry</i> , 2012, 51, 1278-1293.	1.9	18
8	Photogeneration of Quinone Methides as Latent Electrophiles for Lysine Targeting. <i>Journal of Organic Chemistry</i> , 2018, 83, 13019-13029.	1.7	18
9	Targeting the Motion of Shikimate Kinase: Development of Competitive Inhibitors that Stabilize an Inactive Open Conformation of the Enzyme. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5471-5487.	2.9	15
10	Characterization of Locally Excited and Charge-Transfer States of the Anticancer Drug Lapatinib by Ultrafast Spectroscopy and Computational Studies. <i>Chemistry - A European Journal</i> , 2020, 26, 15922-15930.	1.7	13
11	Mechanistic insight into the reaction catalysed by bacterial type II dehydroquinases. <i>Biochemical Journal</i> , 2014, 458, 547-557.	1.7	12
12	Chemical Modification of a Dehydratase Enzyme Involved in Bacterial Virulence by an Ammonium Derivative: Evidence of its Active Site Covalent Adduct. <i>Journal of the American Chemical Society</i> , 2015, 137, 9333-9343.	6.6	12
13	Study of the Phosphoryl-Transfer Mechanism of Shikimate Kinase by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 2758-2768.	1.7	12
14	Bicyclic Boronate Lactamase Inhibitors: The Present Hope against Deadly Bacterial Pathogens. <i>Advanced Therapeutics</i> , 2021, 4, 2000246.	1.6	12
15	Mechanistic Basis of the Inhibition of Type II Dehydroquinase by (2 <i>S</i>)- and (2 <i>R</i>)-2-Benzyl-3-dehydroquinic Acids. <i>ACS Chemical Biology</i> , 2013, 8, 568-577.	1.6	11
16	A New Pathway for Protein Haptenation by Lactams. <i>Chemistry - A European Journal</i> , 2017, 23, 13986-13994.	1.7	11
17	Photobinding of Triflusal to Human Serum Albumin Investigated by Fluorescence, Proteomic Analysis, and Computational Studies. <i>Frontiers in Pharmacology</i> , 2019, 10, 1028.	1.6	10
18	Protein Binding of Lapatinib and Its N- and O-Dealkylated Metabolites Interrogated by Fluorescence, Ultrafast Spectroscopy and Molecular Dynamics Simulations. <i>Frontiers in Pharmacology</i> , 2020, 11, 576495.	1.6	10

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19	6-Halopyridylmethylidene Penicillin-Based Sulfones Efficiently Inactivate the Natural Resistance of <i>Pseudomonas aeruginosa</i> to β -Lactam Antibiotics. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6310-6328.	2.9	10
20	Structural variety of zinc and copper complexes based on a 2,3-disubstituted 1,2,3,4-tetrahydroquinazoline ligand. <i>Dalton Transactions</i> , 2012, 41, 6998.	1.6	9
21	Mild, aprotic synthesis of 1,2-diacetals. <i>Tetrahedron Letters</i> , 2002, 43, 7917-7918.	0.7	8
22	Insights into substrate binding and catalysis in bacterial type I dehydroquinase. <i>Biochemical Journal</i> , 2014, 462, 415-424.	1.7	8
23	Irreversible covalent modification of type I dehydroquinase with a stable Schiff base. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 706-716.	1.5	8
24	Discovery of 3H-pyrrolo[2,3-c]quinolines with activity against <i>Mycobacterium tuberculosis</i> by allosteric inhibition of the glutamate-5-kinase enzyme. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114206.	2.6	7
25	Mapping a protein recognition centre with chiral photoactive ligands. An integrated approach combining photophysics, reactivity, proteomics and molecular dynamics simulation studies. <i>Chemical Science</i> , 2017, 8, 2621-2628.	3.7	5
26	Synthesis of rigidified shikimic acid derivatives by ring-closing metathesis to imprint inhibitor efficacy against shikimate kinase enzyme. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2514-2528.	2.3	5
27	Hydroxylammonium derivatives for selective active-site lysine modification in the anti-virulence bacterial target DHQ1 enzyme. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3127-3135.	2.3	4
28	A selective resin for trans-diequatorial-1,2-diols. <i>Tetrahedron Letters</i> , 2009, 50, 1795-1798.	0.7	3
29	Serendipitous formation of 3-tosyl-1,2,3,4-tetrahydroquinazoline. <i>New Journal of Chemistry</i> , 2013, 37, 3043.	1.4	3
30	Freezing the Dynamic Gap for Selectivity: Motion-Based Design of Inhibitors of the Shikimate Kinase Enzyme. <i>Chemistry - A European Journal</i> , 2016, 22, 17988-18000.	1.7	3
31	Investigation of metabolite-protein interactions by transient absorption spectroscopy and in silico methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117652.	2.0	2
32	Self-Immolation of a Bacterial Dehydratase Enzyme by its Epoxide Product. <i>Chemistry - A European Journal</i> , 2020, 26, 8035-8044.	1.7	2
33	Crambescin C1 Acts as A Possible Substrate of iNOS and eNOS Increasing Nitric Oxide Production and Inducing In Vivo Hypotensive Effect. <i>Frontiers in Pharmacology</i> , 2021, 12, 694639.	1.6	2
34	Molecular Basis of Bicyclic Boronate β -Lactamase Inhibitors of Ultrabroad Efficacy – Insights From Molecular Dynamics Simulation Studies. <i>Frontiers in Microbiology</i> , 2021, 12, 721826.	1.5	2
35	Identification of a common recognition center for a photoactive non-steroidal antiinflammatory drug in serum albumins of different species. <i>Organic Chemistry Frontiers</i> , 2019, 6, 99-109.	2.3	1
36	Mild, Aprotic Synthesis of 1,2-Diacetals.. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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37	Frontispiece: Freezing the Dynamic Gap for Selectivity: Motion-Based Design of Inhibitors of the Shikimate Kinase Enzyme. Chemistry - A European Journal, 2016, 22, .	1.7	0