Emilio Lence

List of Publications by Year
in descending order

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37 papers	397 citations	840119 11 h-index	839053 18 g-index
39 all docs	39 docs citations	39 times ranked	460 citing authors

#	Article	IF	Citations
1	Discovery of 3H-pyrrolo[2,3-c]quinolines with activity against Mycobacterium tuberculosis by allosteric inhibition of the glutamate-5-kinase enzyme. European Journal of Medicinal Chemistry, 2022, 232, 114206.	2.6	7
2	Bicyclic Boronate Î²â€Lactamase Inhibitors: The Present Hope against Deadly Bacterial Pathogens. Advanced Therapeutics, 2021, 4, 2000246.	1.6	12
3	6-Halopyridylmethylidene Penicillin-Based Sulfones Efficiently Inactivate the Natural Resistance of Pseudomonas aeruginosa to Î²-Lactam Antibiotics. Journal of Medicinal Chemistry, 2021, 64, 6310-6328.	2.9	10
4	Crambescin C1 Acts as A Possible Substrate of iNOS and eNOS Increasing Nitric Oxide Production and Inducing In Vivo Hypotensive Effect. Frontiers in Pharmacology, 2021, 12, 694639.	1.6	2
5	Molecular Basis of Bicyclic Boronate Î²-Lactamase Inhibitors of Ultrabroad Efficacy â€“ Insights From Molecular Dynamics Simulation Studies. Frontiers in Microbiology, 2021, 12, 721826.	1.5	2
6	Investigation of metabolite-protein interactions by transient absorption spectroscopy and in silico methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117652.	2.0	2
7	Protein Binding of Lapatinib and Its N- and O-Dealkylated Metabolites Interrogated by Fluorescence, Ultrafast Spectroscopy and Molecular Dynamics Simulations. Frontiers in Pharmacology, 2020, 11, 576495.	1.6	10
8	Molecular and biochemical insights into the in vivo evolution of AmpC-mediated resistance to ceftolozane/tazobactam during treatment of an MDR Pseudomonas aeruginosa infection. Journal of Antimicrobial Chemotherapy, 2020, 75, 3209-3217.	1.3	26
9	Characterization of Locally Excited and Chargeâ€Transfer States of the Anticancer Drug Lapatinib by Ultrafast Spectroscopy and Computational Studies. Chemistry - A European Journal, 2020, 26, 15922-15930.	1.7	13
10	Selfâ€Immolation of a Bacterial Dehydratase Enzyme by its Epoxide Product. Chemistry - A European Journal, 2020, 26, 8035-8044.	1.7	2
11	Challenging Antimicrobial Susceptibility and Evolution of Resistance (OXA-681) during Treatment of a Long-Term Nosocomial Infection Caused by a Pseudomonas aeruginosa ST175 Clone. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	22
12	Hydroxylammonium derivatives for selective active-site lysine modification in the anti-virulence bacterial target DHQ1 enzyme. Organic Chemistry Frontiers, 2019, 6, 3127-3135.	2.3	4
13	Identification of a common recognition center for a photoactive non-steroidal antiinflammatory drug in serum albumins of different species. Organic Chemistry Frontiers, 2019, 6, 99-109.	2.3	1
14	Synthesis of rigidified shikimic acid derivatives by ring-closing metathesis to imprint inhibitor efficacy against shikimate kinase enzyme. Organic Chemistry Frontiers, 2019, 6, 2514-2528.	2.3	5
15	Photobinding of Triflusal to Human Serum Albumin Investigated by Fluorescence, Proteomic Analysis, and Computational Studies. Frontiers in Pharmacology, 2019, 10, 1028.	1.6	10
16	Photogeneration of Quinone Methides as Latent Electrophiles for Lysine Targeting. Journal of Organic Chemistry, 2018, 83, 13019-13029.	1.7	18
17	QM/MM simulations identify the determinants of catalytic activity differences between type II dehydroquinase enzymes. Organic and Biomolecular Chemistry, 2018, 16, 4443-4455.	1.5	19
18	Mapping a protein recognition centre with chiral photoactive ligands. An integrated approach combining photophysics, reactivity, proteomics and molecular dynamics simulation studies. Chemical Science, 2017, 8, 2621-2628.	3.7	5

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19	A New Pathway for Protein Haptenation by Î²â€Lactams. Chemistry - A European Journal, 2017, 23, 13986-13994.	1.7	11
20	Study of the Phosphorylâ€Transfer Mechanism of Shikimate Kinase by NMR Spectroscopy. Chemistry - A European Journal, 2016, 22, 2758-2768.	1.7	12
21	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
22	Targeting the Motion of Shikimate Kinase: Development of Competitive Inhibitors that Stabilize an Inactive Open Conformation of the Enzyme. Journal of Medicinal Chemistry, 2016, 59, 5471-5487.	2.9	15
23	Freezing the Dynamic Gap for Selectivity: Motionâ€Based Design of Inhibitors of the Shikimate Kinase Enzyme. Chemistry - A European Journal, 2016, 22, 17988-18000.	1.7	3
24	Chemical Modification of a Dehydratase Enzyme Involved in Bacterial Virulence by an Ammonium Derivative: Evidence of its Active Site Covalent Adduct. Journal of the American Chemical Society, 2015, 137, 9333-9343.	6.6	12
25	Irreversible covalent modification of type I dehydroquinase with a stable Schiff base. Organic and Biomolecular Chemistry, 2015, 13, 706-716.	1.5	8
26	Mechanistic insight into the reaction catalysed by bacterial typeÂII dehydroquinases. Biochemical Journal, 2014, 458, 547-557.	1.7	12
27	Insights into substrate binding and catalysis in bacterial typeÂI dehydroquinase. Biochemical Journal, 2014, 462, 415-424.	1.7	8
28	Mycobacterium tuberculosis Shikimate Kinase Inhibitors: Design and Simulation Studies of the Catalytic Turnover. Journal of the American Chemical Society, 2013, 135, 12366-12376.	6.6	51
29	Serendipitous formation of 3-tosyl-1,2,3,4-tetrahydroquinazoline. New Journal of Chemistry, 2013, 37, 3043.	1.4	3
30	Mechanistic Basis of the Inhibition of Type II Dehydroquinase by (2S)- and (2R)-2-Benzyl-3-dehydroquinic Acids. ACS Chemical Biology, 2013, 8, 568-577.	1.6	11
31	Metal-Assisted Ring-Closing/Opening Process of a Chiral Tetrahydroquinazoline. Inorganic Chemistry, 2012, 51, 1278-1293.	1.9	18
32	Structural variety of zinc and copper complexes based on a 2,3-disubstituted 1,2,3,4-tetrahydroquinazoline ligand. Dalton Transactions, 2012, 41, 6998.	1.6	9
33	A selective resin for trans-diequatorial-1,2-diols. Tetrahedron Letters, 2009, 50, 1795-1798.	0.7	3
34	The conformational rigidity of butane-1,2-diacetals as a powerful synthetic tool. Chemical Society Reviews, 2008, 37, 1689.	18.7	22
35	Mild, Aprotic Synthesis of 1,2-Diacetals.. ChemInform, 2003, 34, no.	0.1	0
36	Parallel Solid-Phase Synthesis and Evaluation of Inhibitors of Streptomyces coelicolor Type II Dehydroquinase. Journal of Medicinal Chemistry, 2003, 46, 5735-5744.	2.9	21

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37	Mild, aprotic synthesis of 1,2-diacetals. Tetrahedron Letters, 2002, 43, 7917-7918.	0.7	8