Raivis Zalubovskis

List of Publications by Year
in descending order

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44 papers	1,474 citations	331670 21 h-index	315739 38 g-index
47 all docs	47 docs citations	47 times ranked	1202 citing authors

#	Article	IF	Citations
1	Sulfocoumarins (1,2-Benzoxathiine-2,2-dioxides): A Class of Potent and Isoform-Selective Inhibitors of Tumor-Associated Carbonic Anhydrases. Journal of Medicinal Chemistry, 2013, 56, 293-300.	6.4	199
2	Efficient Expression and Crystallization System of Cancer-Associated Carbonic Anhydrase Isoform IX. Journal of Medicinal Chemistry, 2015, 58, 9004-9009.	6.4	141
3	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. Metabolites, 2020, 10, 412.	2.9	116
4	6-Substituted Sulfocoumarins Are Selective Carbonic Anhdydrase IX and XII Inhibitors with Significant Cytotoxicity against Colorectal Cancer Cells. Journal of Medicinal Chemistry, 2015, 58, 3975-3983.	6.4	87
5	Reconsidering anion inhibitors in the general context of drug design studies of modulators of activity of the classical enzyme carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 561-580.	5.2	81
6	Influence of Steric Symmetry and Electronic Dissymmetry on the Enantioselectivity in Palladium-Catalyzed Allylic Substitutions. Journal of Organic Chemistry, 2003, 68, 3258-3270.	3.2	64
7	6-Triazolyl-substituted sulfocoumarins are potent, selective inhibitors of the tumor-associated carbonic anhydrases IX and XII. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1256-1260.	2.2	61
8	X-ray crystallography-promoted drug design of carbonic anhydrase inhibitors. Chemical Communications, 2015, 51, 7108-7111.	4.1	61
9	Synthesis of 6-tetrazolyl-substituted sulfocoumarins acting as highly potent and selective inhibitors of the tumor-associated carbonic anhydrase isoforms IX and XII. Bioorganic and Medicinal Chemistry, 2014, 22, 1522-1528.	3.0	50
10	Synthesis of 6-aryl-substituted sulfocoumarins and investigation of their carbonic anhydrase inhibitory action. Bioorganic and Medicinal Chemistry, 2015, 23, 1430-1436.	3.0	43
11	3H-1,2-benzoxathiepine 2,2-dioxides: a new class of isoform-selective carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 767-775.	5.2	41
12	N -Substituted and ring opened saccharin derivatives selectively inhibit transmembrane, tumor-associated carbonic anhydrases IX and XII. Bioorganic and Medicinal Chemistry, 2017, 25, 3583-3589.	3.0	39
13	Facile synthesis of coumarin bioisosteresâ€”1,2-benzoxathiine 2,2-dioxides. Tetrahedron, 2012, 68, 5541-5546.	1.9	36
14	Self-Adaptable Catalysts:â€‰ Substrate-Dependent Ligand Configuration. Journal of the American Chemical Society, 2008, 130, 1845-1855.	13.7	34
15	Sulfocoumarins as dual inhibitors of human carbonic anhydrase isoforms IX/XII and of human thioredoxin reductase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 506-510.	5.2	32
16	5-Substituted-(1,2,3-triazol-4-yl)thiophene-2-sulfonamides strongly inhibit human carbonic anhydrases I, II, IX and XII: Solution and X-ray crystallographic studies. Bioorganic and Medicinal Chemistry, 2013, 21, 5130-5138.	3.0	31
17	The antibiotic furagin and its derivatives are isoform-selective human carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1011-1020.	5.2	27
18	Benzoxepinones: A new isoform-selective class of tumor associated carbonic anhydrase inhibitors. Bioorganic and Medicinal Chemistry, 2020, 28, 115496.	3.0	25

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19	Sulfocoumarins, specific carbonic anhydrase IX and XII inhibitors, interact with cancer multidrug resistant phenotype through pH regulation and reverse P-glycoprotein mediated resistance. European Journal of Pharmaceutical Sciences, 2019, 138, 105012.	4.0	22
20	Further exploration of DVD-445 as a lead thioredoxin reductase (TrxR) inhibitor for cancer therapy: Optimization of potency and evaluation of anticancer potential. European Journal of Medicinal Chemistry, 2020, 191, 112119.	5.5	22
21	Enantioselective siliconâ€“boron additions to cyclic 1,3-dienes catalyzed by the platinum group metal complexes. Journal of Organometallic Chemistry, 2008, 693, 3519-3526.	1.8	21
22	5-Substituted-benzylsulfanyl-thiophene-2-sulfonamides with effective carbonic anhydrase inhibitory activity: Solution and crystallographic investigations. Bioorganic and Medicinal Chemistry, 2017, 25, 857-863.	3.0	20
23	Novel electrophilic amides amenable by the Ugi reaction perturb thioredoxin system via thioredoxin reductase 1 (TrxR1) inhibition: Identification of DVD-445 as a new lead compound for anticancer therapy. European Journal of Medicinal Chemistry, 2019, 181, 111580.	5.5	20
24	Combining carbonic anhydrase and thioredoxin reductase inhibitory motifs within a single molecule dramatically increases its cytotoxicity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 665-671.	5.2	20
25	Development of oxathiino[6,5-b]pyridine 2,2-dioxide derivatives as selective inhibitors of tumor-related carbonic anhydrases IX and XII. European Journal of Medicinal Chemistry, 2020, 200, 112300.	5.5	18
26	Response to Perspectives on the Classical Enzyme Carbonic Anhydrase and the Search for Inhibitors. Biophysical Journal, 2021, 120, 178-181.	0.5	16
27	Aryl derivatives of 3H-1,2-benzoxathiepine 2,2-dioxide as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 245-254.	5.2	15
28	4-(3-Alkyl/benzyl-guanidino)benzenesulfonamides as selective carbonic anhydrase VII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1568-1576.	5.2	15
29	Hydrophobic Substituents of the Phenylmethylsulfamide Moiety Can Be Used for the Development of New Selective Carbonic Anhydrase Inhibitors. BioMed Research International, 2014, 2014, 1-11.	1.9	14
30	In a search for selective inhibitors of carbonic anhydrases: coumarin and its bioisosteres â€“ synthesis and derivatization. Chemistry of Heterocyclic Compounds, 2015, 51, 607-612.	1.2	14
31	7-Acylamino-3H-1,2-benzoxathiepine 2,2-dioxides as new isoform-selective carbonic anhydrase IX and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 650-656.	5.2	14
32	Symmetric molecules with 1,4-triazole moieties as potent inhibitors of tumour-associated lactate dehydrogenase-A. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 147-150.	5.2	12
33	5-Membered cyclic hydroxamic acids as HDAC inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 216-223.	5.2	10
34	Stereochemical Control of Chirally Flexible Phosphepines. European Journal of Organic Chemistry, 2007, 2007, 108-115.	2.4	9
35	Recent advances in sultone synthesis (microreview). Chemistry of Heterocyclic Compounds, 2017, 53, 1283-1285.	1.2	9
36	Glyoxalase 1 and 2 Enzyme Inhibitory Activity of 6-Sulfamoylsaccharin and Sulfocoumarin Derivates. Letters in Drug Design and Discovery, 2013, 10, 410-414.	0.7	7

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37	Novel method for the preparation of 2H-1,2,4-benzothiadiazin-3(4H)-one 1,1-dioxides via a Curtius rearrangement. Chemistry of Heterocyclic Compounds, 2012, 48, 1114-1116.	1.2	6
38	Synthesis of 6-sulfamoylsaccharin and study of its reactivity in alkylation reactions. Chemistry of Heterocyclic Compounds, 2012, 47, 1561-1564.	1.2	6
39	Synthesis of an 8-Membered Heterocycle from Saccharin and Leakadine. Chemistry of Heterocyclic Compounds, 2012, 48, 1412-1414.	1.2	5
40	Method for preparation of 4-methyl-1,2-benzoxathiine 2,2-dioxide derivatives. Chemistry of Heterocyclic Compounds, 2012, 48, 974-976.	1.2	3
41	Derivatives of 2-aziridinyl ketones and aziridinyl-2-carboxylates (microreview). Chemistry of Heterocyclic Compounds, 2016, 52, 535-537.	1.2	3
42	Base-Free Catalytic Wittig-/Cross-CouplingÂReaction Sequence as Short Synthetic Strategy for theÂPreparationÂof Highly Functionalized Arylbenzoxepinones. Synthesis, 2021, 53, 3545-3554.	2.3	3
43	Synthesis of 2-Hydroxyimino-1,2,3,4-tetrahydropyrimidines. Chemistry of Heterocyclic Compounds, 2013, 48, 1731-1733.	1.2	1
44	Access to NH-aziridine-2-carboxamides through Davidsen acylimidodicarbonate activation. Comptes Rendus Chimie, 2019, 22, 283-293.	0.5	1