Jean SÃ©vigny

List of Publications by Year
in descending order

308 papers	13,881 citations	26630 56 h-index	29157 104 g-index
312 all docs	312 docs citations	312 times ranked	11698 citing authors

#	Article	IF	Citations
1	Structural and functional insight into thiazolidinone derivatives as novel candidates for anticancer drug design: in vitro biological and in-silico strategies. Journal of Biomolecular Structure and Dynamics, 2023, 41, 942-953.	3.5	12
2	NTPDase8 protects mice from intestinal inflammation by limiting P2Y₆ receptor activation: identification of a new pathway of inflammation for the potential treatment of IBD. Gut, 2022, 71, 43-54.	12.1	23
3	Antenatal Dexamethasone Treatment Induces Sex-dependent Upregulation of NTPDase1/CD39 and Ecto-5Ê¹-nucleotidase/CD73 in the Rat Fetal Brain. Cellular and Molecular Neurobiology, 2022, 42, 1965-1981.	3.3	3
4	Synthesis, characterization and biological evaluation of thiadiazole amide derivatives as nucleoside triphosphate diphosphohydrolases (NTPDases) inhibitors. Bioorganic Chemistry, 2022, 118, 105456.	4.1	1
5	N-(5-acetyl-4-methylthiazol-2-yl)arylamide derivatives as multi-target-directed ligands: design, synthesis, biochemical evaluation and computational analysis. Journal of Chemical Sciences, 2022, 134, 1.	1.5	4
6	Azomethine-clubbed thiazoles as human tissue non-specific alkaline phosphatase (h-TNAP) and intestinal alkaline phosphatase (h-IAP) Inhibitors: kinetics and molecular docking studies. Molecular Diversity, 2022, 26, 3241-3254.	3.9	3
7	The Purinergic Receptor P2X4 Promotes Th17 Activation and the Development of Arthritis. Journal of Immunology, 2022, 208, 1115-1127.	0.8	7
8	Experimental and Hirshfeld Surface Investigations for Unexpected Aminophenazone Cocrystal Formation under Thiourea Reaction Conditions via Possible Enamine Assisted Rearrangement. Crystals, 2022, 12, 608.	2.2	3
9	Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its in silico and in vitro investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. RSC Advances, 2022, 12, 17194-17207.	3.6	6
10	Appraisal of novel azomethineâ€“thioxoimidazolidinone conjugates as ecto-5â€²-nucleotidase inhibitors: synthesis and molecular docking studies. RSC Advances, 2022, 12, 17596-17606.	3.6	3
11	Synthesis, characterization, alkaline phosphatase inhibition assay and molecular modeling studies of 1-benzylidene-2-(4-tert- butylthiazol-2-yl) hydrazines. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6140-6153.	3.5	11
12	Understanding the enzymatic inhibition of intestinal alkaline phosphatase by aminophenazone-derived aryl thioureas with aided computational molecular dynamics simulations: synthesis, characterization, SAR and kinetic profiling. Molecular Diversity, 2021, 25, 1701-1715.	3.9	5
13	Sulfated Polysaccharides from Macroalgae Are Potent Dual Inhibitors of Human ATP-Hydrolyzing Ectonucleotidases NPP1 and CD39. Marine Drugs, 2021, 19, 51.	4.6	8
14	NTPDase1 Modulates Smooth Muscle Contraction in Mice Bladder by Regulating Nucleotide Receptor Activation Distinctly in Male and Female. Biomolecules, 2021, 11, 147.	4.0	5
15	Influence of NSAIDs and methotrexate on CD73 expression and glioma cell growth. Purinergic Signalling, 2021, 17, 273-284.	2.2	10
16	Neutrophils: fast and furiousâ€”the nucleotide pathway. Purinergic Signalling, 2021, 17, 371-383.	2.2	7
17	Effect of organic solvents on solvatochromic, fluorescence, and electrochemical properties of synthesized thiazolylcoumarin derivatives. Luminescence, 2021, 36, 1189-1197.	2.9	8
18	Characterization of the Endometrial MSC Marker Ectonucleoside Triphosphate Diphosphohydrolase-2 (NTPDase2/CD39L1) in Low- and High-Grade Endometrial Carcinomas: Loss of Stromal Expression in the Invasive Phenotypes. Journal of Personalized Medicine, 2021, 11, 331.	2.5	2

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19	Global deletion of NTPDase3 protects against diet-induced obesity by increasing basal energy metabolism. Metabolism: Clinical and Experimental, 2021, 118, 154731.	3.4	5
20	Synthesis, biological evaluation, and docking studies of novel pyrrolo[2,3-b]pyridine derivatives as both ectonucleotide pyrophosphatase/phosphodiesterase inhibitors and antiproliferative agents. European Journal of Medicinal Chemistry, 2021, 217, 113339.	5.5	14
21	Synthesis, In-vitro evaluation and molecular docking studies of oxoindolin phenylhydrazine carboxamides as potent and selective inhibitors of ectonucleoside triphosphate diphosphohydrolase (NTPDase). Bioorganic Chemistry, 2021, 112, 104957.	4.1	6
22	Theoretical and computational insight into the supramolecular assemblies of Schiff bases involving hydrogen bonding and C Hâ€¦Ï€ interactions: Synthesis, X-ray characterization, Hirshfeld surface analysis, anticancer activity and molecular docking analysis. Journal of Molecular Structure, 2021, 1235, 130223.	3.6	8
23	New insights into cytotoxic mechanisms of bozepinib against glioblastoma. European Journal of Pharmaceutical Sciences, 2021, 162, 105823.	4.0	3
24	Identification and Expression Analysis of CD73 Inhibitors in Cervical Cancer. Medicinal Chemistry, 2021, 17, 866-874.	1.5	2
25	Extracellular ATP hydrolysis in Caco-2 human intestinal cell line. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183679.	2.6	4
26	Divergent synthesis and elaboration of structure activity relationship for quinoline derivatives as highly selective NTPDase inhibitor. Bioorganic Chemistry, 2021, 115, 105240.	4.1	6
27	Extracellular ectonucleotidases are differentially regulated in murine tissues and human polymorphonuclear leukocytes during sepsis and inflammation. Purinergic Signalling, 2021, 17, 713-724.	2.2	4
28	2â€Substituted thienotetrahydropyridine derivatives: Allosteric ectonucleotidase inhibitors. Archiv Der Pharmazie, 2021, 354, e2100300.	4.1	4
29	Editorial: Metalloenzymes: Potential Drug Targets. Frontiers in Pharmacology, 2021, 12, 746925.	3.5	0
30	Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structureâ€“Activity Relationship (SAR) Studies. Molecules, 2021, 26, 7150.	3.8	11
31	Editorial: Metalloenzymes: Potential Drug Targets. Frontiers in Pharmacology, 2021, 12, 746925.	3.5	2
32	Nasal Administration of Cationic Nanoemulsions as CD73-siRNA Delivery System for Glioblastoma Treatment: a New Therapeutical Approach. Molecular Neurobiology, 2020, 57, 635-649.	4.0	61
33	Development and characterization of CD73-siRNA-loaded nanoemulsion: effect on C6 glioma cells and primary astrocytes. Pharmaceutical Development and Technology, 2020, 25, 408-415.	2.4	11
34	Synthesis of biphenyl oxazole derivatives via Suzuki coupling and biological evaluations as nucleotide pyrophosphatase/phosphodiesterase-1 and -3 inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112759.	5.5	17
35	A Simple and Efficient Genetic Immunization Protocol for the Production of Highly Specific Polyclonal and Monoclonal Antibodies against the Native Form of Mammalian Proteins. International Journal of Molecular Sciences, 2020, 21, 7074.	4.1	1
36	Synthesis, characterization, in vitro tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP) inhibition studies and computational evaluation of novel thiazole derivatives. Bioorganic Chemistry, 2020, 102, 104088.	4.1	17

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37	Synthesis and Nucleotide Pyrophosphatase/Phosphodiesterase Inhibition Studies of Carbohydrazides Based on Benzimidazoleâ€Benzothiazine Skeleton. ChemistrySelect, 2020, 5, 14399-14407.	1.5	4
38	Nucleotide Analog ARL67156 as a Lead Structure for the Development of CD39 and Dual CD39/CD73 Ectonucleotidase Inhibitors. Frontiers in Pharmacology, 2020, 11, 1294.	3.5	23
39	Evaluation of sulfonate and sulfamate derivatives possessing benzofuran or benzothiophene nucleus as inhibitors of nucleotide pyrophosphatases/phosphodiesterases and anticancer agents. Bioorganic Chemistry, 2020, 104, 104305.	4.1	9
40	Synthesis, Characterization, and In Silico Studies of Novel Spirooxindole Derivatives as Ecto-5â€²-Nucleotidase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 2397-2405.	2.8	9
41	Development of Anthraquinone Derivatives as Ectonucleoside Triphosphate Diphosphohydrolase (NTPDase) Inhibitors With Selectivity for NTPDase2 and NTPDase3. Frontiers in Pharmacology, 2020, 11, 1282.	3.5	12
42	Functionalized Oxoindolin Hydrazine Carbothioamide Derivatives as Highly Potent Inhibitors of Nucleoside Triphosphate Diphosphohydrolases. Frontiers in Pharmacology, 2020, 11, 585876.	3.5	7
43	Bisthioureas of pimelic acid and 4-methylsalicylic acid derivatives as selective inhibitors of tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP): Synthesis and molecular docking studies. Bioorganic Chemistry, 2020, 101, 103996.	4.1	9
44	Synthesis and computational studies of highly selective inhibitors of human recombinant tissue non-specific alkaline phosphatase (h-TNAP): A therapeutic target against vascular calcification. Bioorganic Chemistry, 2020, 101, 103999.	4.1	9
45	Immortalization of Mesenchymal Stromal Cells by TERT Affects Adenosine Metabolism and Impairs their Immunosuppressive Capacity. Stem Cell Reviews and Reports, 2020, 16, 776-791.	3.8	14
46	Synthesis, biological evaluation, and docking studies of new pyrazole-based thiourea and sulfonamide derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. Bioorganic Chemistry, 2020, 99, 103783.	4.1	20
47	Opposing Effects of Adenosine and Inosine in Human Subcutaneous Fibroblasts May Be Regulated by Third Party ADA Cell Providers. Cells, 2020, 9, 651.	4.1	13
48	Structural investigation on thiazolo[5,4-d]pyrimidines to obtain dual-acting blockers of CD73 and adenosine A2A receptor as potential antitumor agents. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127067.	2.2	12
49	Imatinib mesylate affects extracellular ATP catabolism and expression of NTPDases in a chronic myeloid leukemia cell line. Purinergic Signalling, 2020, 16, 29-40.	2.2	8
50	Blockade of CD73 delays glioblastoma growth by modulating the immune environment. Cancer Immunology, Immunotherapy, 2020, 69, 1801-1812.	4.2	33
51	Design, Synthesis and Biological Evaluation of 2â€(naphthoyl) iminothiazolidinâ€4â€ones as Potential Anticancer Agents. ChemistrySelect, 2020, 5, 3965-3970.	1.5	8
52	Sulfonylhydrazones: Design, synthesis and investigation of ectonucleotidase (ALP & e5â€²NT) inhibition activities. Bioorganic Chemistry, 2020, 100, 103827.	4.1	13
53	Characterization and antiproliferative activity of glioma-derived extracellular vesicles. Nanomedicine, 2020, 15, 1001-1018.	3.3	19
54	An efficient synthetic approach toward a sporadic heterocyclic scaffold: 1,3-Oxathiol-2-ylidenes; alkaline phosphatase inhibition and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127238.	2.2	7

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55	The anti-inflammatory effect of resistance training in hypertensive women: the role of purinergic signaling. Journal of Hypertension, 2020, 38, 2490-2500.	0.5	11
56	Highly Potent and Selective Ectonucleoside Triphosphate Diphosphohydrolase (ENTPDase1, 2, 3 and 8) Inhibitors Having 2-substituted-7- trifluoromethyl-thiadiazolopyrimidones Scaffold. Medicinal Chemistry, 2020, 16, 689-702.	1.5	4
57	CD73 Downregulation Decreases In Vitro and In Vivo Glioblastoma Growth. Molecular Neurobiology, 2019, 56, 3260-3279.	4.0	63
58	Design, synthesis and biological evaluation of trinary benzocoumarin-thiazoles-azomethines derivatives as effective and selective inhibitors of alkaline phosphatase. Bioorganic Chemistry, 2019, 91, 103137.	4.1	18
59	Synthesis, biological evaluation, and docking studies of new raloxifene sulfonate or sulfamate derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. European Journal of Medicinal Chemistry, 2019, 181, 111560.	5.5	24
60	Exacerbated intestinal inflammation in P2Y6 deficient mice is associated with Th17 activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2595-2605.	3.8	25
61	Concentrates of two subsets of extracellular vesicles from cowâ€™s milk modulate symptoms and inflammation in experimental colitis. Scientific Reports, 2019, 9, 14661.	3.3	39
62	Impaired Expression of Ectonucleotidases in Ectopic and Eutopic Endometrial Tissue Is in Favor of ATP Accumulation in the Tissue Microenvironment in Endometriosis. International Journal of Molecular Sciences, 2019, 20, 5532.	4.1	9
63	Structure-activity relationship study of NPP1 inhibitors based on uracil-N1-(methoxy)ethyl-Î²-phosphate scaffold. European Journal of Medicinal Chemistry, 2019, 184, 111754.	5.5	8
64	Experimental, theoretical, and surface study for corrosion inhibition of mild steel in 1ÂM HCl by using synthetic anti-biotic derivatives. Ionics, 2019, 25, 5057-5075.	2.4	22
65	The ectonucleoside triphosphate diphosphohydrolase-2 (NTPDase2) in human endometrium: a novel marker of basal stroma and mesenchymal stem cells. Purinergic Signalling, 2019, 15, 225-236.	2.2	16
66	Induction of NTPDase1/CD39 by Reactive Microglia and Macrophages Is Associated With the Functional State During EAE. Frontiers in Neuroscience, 2019, 13, 410.	2.8	19
67	NTPDase1 and -2 are expressed by distinct cellular compartments in the mouse colon and differentially impact colonic physiology and function after DSS colitis. American Journal of Physiology - Renal Physiology, 2019, 317, G314-G332.	3.4	14
68	Characterization of soluble CD39 (SolCD39/NTPDase1) from PiggyBac nonviral system as a tool to control the nucleotides level. Biochemical Journal, 2019, 476, 1637-1651.	3.7	1
69	Identification of adenine-N9-(methoxy)ethyl-Î²-bisphosphonate as NPP1 inhibitor attenuates NPPase activity in human osteoarthritic chondrocytes. Purinergic Signalling, 2019, 15, 247-263.	2.2	6
70	Synthesis, conformational studies and NBO analysis of (4-chloro-3,5-dimethyl-1H-pyrazol-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	3.6	21
71	Synthesis, biological evaluation, and molecular docking study of sulfonate derivatives as nucleotide pyrophosphatase/phosphodiesterase (NPP) inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 2741-2752.	3.0	17
72	Benzo[b]carbazolediones Synthesis and Inhibitory Effects on Nucleotide Pyrophosphatases/Phosphodiesterases. ChemistrySelect, 2019, 4, 2545-2550.	1.5	3

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73	Investigation of new quinoline derivatives as promising inhibitors of NTPDases: Synthesis, SAR analysis and molecular docking studies. Bioorganic Chemistry, 2019, 87, 218-226.	4.1	17
74	Probing the high potency of pyrazolyl pyrimidinetriones and thioxopyrimidinediones as selective and efficient non-nucleotide inhibitors of recombinant human ectonucleotidases. Bioorganic Chemistry, 2019, 88, 102893.	4.1	11
75	Adenine-(methoxy)-ethoxy-PÎ±,Î±-dithio-triphosphate inhibits pathologic calcium pyrophosphate deposition in osteoarthritic human chondrocytes. Organic and Biomolecular Chemistry, 2019, 17, 9913-9923.	2.8	3
76	Palladium-catalyzed synthesis and nucleotide pyrophosphatase inhibition of benzo[4,5]furo[3,2-b]indoles. Beilstein Journal of Organic Chemistry, 2019, 15, 2830-2839.	2.2	5
77	Physical exercise prevents alterations in purinergic system and oxidative status in lipopolysaccharideâ€induced sepsis in rats. Journal of Cellular Biochemistry, 2019, 120, 3232-3242.	2.6	16
78	Ectonucleoside Triphosphate Diphosphohydrolase-3 Antibody Targets Adult Human Pancreatic Î² Cells for InÂVitro and InÂVivo Analysis. Cell Metabolism, 2019, 29, 745-754.e4.	16.2	59
79	Physical exercise prevents memory impairment in an animal model of hypertension through modulation of CD39 and CD73 activities and A2A receptor expression. Journal of Hypertension, 2019, 37, 135-143.	0.5	13
80	Schiff bases of tryptamine as potent inhibitors of nucleoside triphosphate diphosphohydrolases (NTPDases): Structure-activity relationship. Bioorganic Chemistry, 2019, 82, 253-266.	4.1	19
81	Anti-proliferative Effects of Chromones: Potent Derivatives Affecting Cell Growth and Apoptosis in Breast, Bone-marrow and Cervical Cancer Cells. Medicinal Chemistry, 2019, 15, 883-891.	1.5	1
82	Abstract B058: CD73 siRNA therapy regulates glioblastoma immune microenvironment. , 2019, , .		0
83	Supplement comprising of laccase and citric acid as an alternative for antibiotics: In vitro triggers of melanin production. Engineering in Life Sciences, 2018, 18, 359-367.	3.6	3
84	Deazapurine Analogues Bearing a 1Hâ€Pyrazolo[3,4â€b]pyridinâ€3(2H)â€one Core: Synthesis and Biological Activity. European Journal of Organic Chemistry, 2018, 2018, 2629-2644.	2.4	11
85	Highly Selective and Potent Ectonucleotide Pyrophosphatase-1 (NPP1) Inhibitors Based on Uridine 5â€²-P_{Î±,Î±}-Dithiophosphate Analogues. Journal of Medicinal Chemistry, 2018, 61, 3939-3951.	6.4	20
86	Tricyclic coumarin sulphonate derivatives with alkaline phosphatase inhibitory effects: in vitro and docking studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 479-484.	5.2	15
87	Distinctive inhibition of alkaline phosphatase isozymes by thiazolâ€2â€ylideneâ€benzamide derivatives: Functional insights into their anticancer role. Journal of Cellular Biochemistry, 2018, 119, 6501-6513.	2.6	2
88	Characterization of ecto-nucleotidases in human oviducts with an improved approach simultaneously identifying protein expression and in situ enzyme activity. Histochemistry and Cell Biology, 2018, 149, 269-276.	1.7	12
89	A domino reaction of 3-chlorochromones with aminoheterocycles. Synthesis of pyrazolopyridines and benzofuropyridines and their optical and ecto-5â€²-nucleotidase inhibitory effects. Organic and Biomolecular Chemistry, 2018, 16, 717-732.	2.8	28
90	Ecto-5â€²-nucleotidase/CD73 contributes to the radiosensitivity of T24 human bladder cancer cell line. Journal of Cancer Research and Clinical Oncology, 2018, 144, 469-482.	2.5	16

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91	Loss of vascular expression of nucleoside triphosphate diphosphohydrolase-1/CD39 in hypertension. Purinergic Signalling, 2018, 14, 73-82.	2.2	19
92	4-Aminopyridine based amide derivatives as dual inhibitors of tissue non-specific alkaline phosphatase and ecto-5â€²-nucleotidase with potential anticancer activity. Bioorganic Chemistry, 2018, 76, 237-248.	4.1	20
93	2-Substituted 7-trifluoromethyl-thiadiazolopyrimidones as alkaline phosphatase inhibitors. Synthesis, structure activity relationship and molecular docking study. European Journal of Medicinal Chemistry, 2018, 144, 116-127.	5.5	10
94	Distinct roles of ecto-nucleoside triphosphate diphosphohydrolase-2 (NTPDase2) in liver regeneration and fibrosis. Purinergic Signalling, 2018, 14, 37-46.	2.2	13
95	Development of a selective and highly sensitive fluorescence assay for nucleoside triphosphate diphosphohydrolase1 (NTPDase1, CD39). Analyst, The, 2018, 143, 5417-5430.	3.5	12
96	Expanding the Alkaline Phosphatase Inhibition, Cytotoxic and Proapoptotic Profile of Biscoumarinâ€‰minothiazole and Coumarinâ€‰riazolothiadiazine Conjugates. ChemistrySelect, 2018, 3, 13377-13386.	1.5	5
97	Hybrid compounds from chalcone and 1,2-benzothiazine pharmacophores as selective inhibitors of alkaline phosphatase isozymes. European Journal of Medicinal Chemistry, 2018, 159, 282-291.	5.5	16
98	Synthesis of novel (E)-1-(2-(2-(4(dimethylamino) benzylidene)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (hydrazinyl)-4-meth Open Science, 2018, 5, 180837.	2.4	8
99	Ectonucleotidase Inhibitory and Redox Activity of Imidazoleâ€Based Organic Salts and Ionic Liquids. ChemMedChem, 2018, 13, 2297-2304.	3.2	3
100	Detailed investigation of anticancer activity of sulfamoyl benz(sulfon)amides and 1Hâ€“pyrazolâ€“4â€“yl benzamides: An experimental and computational study. European Journal of Pharmacology, 2018, 832, 11-24.	3.5	13
101	Synthesis of sulfadiazinyl acyl/aryl thiourea derivatives as calf intestinal alkaline phosphatase inhibitors, pharmacokinetic properties, lead optimization, Lineweaver-Burk plot evaluation and binding analysis. Bioorganic and Medicinal Chemistry, 2018, 26, 3707-3715.	3.0	35
102	Chemoselective Synthesis and Human Ectoâ€5â€²â€nucleotidase Inhibitory Activity of 2â€Trifluoromethylâ€4,6â€diarylquinolines. ChemistrySelect, 2018, 3, 8587-8592.	1.5	5
103	P2Y6 Receptors Regulate CXCL10 Expression and Secretion in Mouse Intestinal Epithelial Cells. Frontiers in Pharmacology, 2018, 9, 149.	3.5	13
104	Exploration of carboxy pyrazole derivatives: Synthesis, alkaline phosphatase, nucleotide pyrophosphatase/phosphodiesterase and nucleoside triphosphate diphosphohydrolase inhibition studies with potential anticancer profile. European Journal of Medicinal Chemistry, 2018, 156, 461-478.	5.5	28
105	Quinolinic Carboxylic Acid Derivatives as Potential Multi-target Compounds for Neurodegeneration: Monoamine Oxidase and Cholinesterase Inhibition. Medicinal Chemistry, 2018, 14, 74-85.	1.5	15
106	E-NTPDase Family. , 2018, , 1544-1553.		0
107	Novel isochroman-triazoles and thiadiazole hybrids: Design, synthesis and antimicrobial activity. Journal of Saudi Chemical Society, 2017, 21, 186-192.	5.2	12
108	Synthesis, characterization and biological evaluation of novel chalcone sulfonamide hybrids as potent intestinal alkaline phosphatase inhibitors. Bioorganic Chemistry, 2017, 70, 229-236.	4.1	20

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109	Generation and characterization of polyclonal and monoclonal antibodies to human NTPDase2 including a blocking antibody. Purinergic Signalling, 2017, 13, 293-304.	2.2	8
110	Expression of Ecto-nucleoside Triphosphate Diphosphohydrolases-2 and -3 in the Enteric Nervous System Affects Inflammation in Experimental Colitis and Crohnâ€™s Disease. Journal of Crohn's and Colitis, 2017, 11, 1113-1123.	1.3	17
111	Spectroscopic, molecular docking and structural activity studies of (E)-Nâ€²-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 screening. Journal of Molecular Structure, 2017, 1139, 371-380.	3.6	20
112	17Î²-Estradiol-Induced Synaptic Rearrangements Are Accompanied by Altered Ectonucleotidase Activities in Male Rat Hippocampal Synaptosomes. Journal of Molecular Neuroscience, 2017, 61, 412-422.	2.3	11
113	Domino Reactions of Chromoneâ€3â€carboxylic Acids with Aminoheterocycles: Synthesis of Heteroannulated Pyrido[2,3â€c]coumarins and their Optical and Biological Activity. European Journal of Organic Chemistry, 2017, 2017, 7148-7159.	2.4	16
114	Design, synthesis, kinetic mechanism and molecular docking studies of novel 1-pentanoyl-3-arylthioureas as inhibitors of mushroom tyrosinase and free radical scavengers. European Journal of Medicinal Chemistry, 2017, 141, 273-281.	5.5	75
115	NTPDase8 Protects Mice From Intestinal Inflammation Through Regulation of P2Y6 Receptor Activation. Gastroenterology, 2017, 152, S570.	1.3	0
116	P2RY6 â^'/â^' Mice Exhibit Exacerbated Intestinal Inflammation Associated with TH1/TH17 Recruitment. Gastroenterology, 2017, 152, S570.	1.3	0
117	Chemoselective synthesis and biological evaluation of arylated 2-(Trifluoromethyl) quinolines as nucleotide pyrophosphatase (NPPs) inhibitors. European Journal of Medicinal Chemistry, 2017, 138, 816-829.	5.5	8
118	Exploration of aroyl/heteroaroyl iminothiazolines featuring 2,4,5-trichlorophenyl moiety as a new class of potent, selective, and in vitro efficacious glucosidase inhibitors. Bioorganic Chemistry, 2017, 74, 134-144.	4.1	18
119	Jack Bean Urease Inhibitors, and Antioxidant Activity Based on Palmitic acid Derived 1-acyl-3-Arylthioureas: Synthesis, Kinetic Mechanism and Molecular Docking Studies. Drug Research, 2017, 67, 596-605.	1.7	30
120	The expression of NTPDase1 and -2 of Leishmania infantum chagasi in bacterial and mammalian cells: Comparative expression, refolding and nucleotidase characterization. Protein Expression and Purification, 2017, 131, 60-69.	1.3	5
121	Isonicotinohydrazones as inhibitors of alkaline phosphatase and ectoâ€5â€²â€nucleotidase. Chemical Biology and Drug Design, 2017, 89, 365-370.	3.2	25
122	Generation and Characterization of Specific Antibodies to the Murine and Human Ectonucleotidase NTPDase8. Frontiers in Pharmacology, 2017, 8, 115.	3.5	20
123	Down-regulation of NTPDase2 and ADP-sensitive P2 Purinoceptors Correlate with Severity of Symptoms during Experimental Autoimmune Encephalomyelitis. Frontiers in Cellular Neuroscience, 2017, 11, 333.	3.7	26
124	Unraveling the Alkaline Phosphatase Inhibition, Anticancer, and Antileishmanial Potential of Coumarinâ€“Triazolothiadiazine Hybrids: Design, Synthesis, and Molecular Docking Analysis. Archiv Der Pharmazie, 2016, 349, 553-565.	4.1	29
125	Recent synthetic approaches to fipronil, a super-effective and safe pesticide. Research on Chemical Intermediates, 2016, 42, 6805-6813.	2.7	14
126	Identification of novel pyrazoleâ€“rhodanine hybrid scaffolds as potent inhibitors of aldose reductase: design, synthesis, biological evaluation and molecular docking analysis. RSC Advances, 2016, 6, 77688-77700.	3.6	38

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127	Adenosine A2A receptor and ecto-5â€²-nucleotidase/CD73 are upregulated in hippocampal astrocytes of human patients with mesial temporal lobe epilepsy (MTLE). Purinergic Signalling, 2016, 12, 719-734.	2.2	47
128	New one-pot synthesis of N-fused isoquinoline derivatives by palladium-catalyzed Câ€“H arylation: potent inhibitors of nucleotide pyrophosphatase-1 and -3. Organic and Biomolecular Chemistry, 2016, 14, 11402-11414.	2.8	42
129	Synthesis of 2-arylated thiadiazolopyrimidones by Suzukiâ€“Miyaura cross-coupling: a new class of nucleotide pyrophosphatase (NPPs) inhibitors. RSC Advances, 2016, 6, 107556-107571.	3.6	28
130	Regional and sex-related differences in modulating effects of female sex steroids on ecto-5â€²-nucleotidase expression in the rat cerebral cortex and hippocampus. General and Comparative Endocrinology, 2016, 235, 100-107.	1.8	13
131	Characterization of hepatic stellate cells, portal fibroblasts, and mesothelial cells in normal and fibrotic livers. Journal of Hepatology, 2016, 64, 1137-1146.	3.7	117
132	Quinazolines and quinazolinones as ubiquitous structural fragments in medicinal chemistry: An update on the development of synthetic methods and pharmacological diversification. Bioorganic and Medicinal Chemistry, 2016, 24, 2361-2381.	3.0	202
133	17Î²-Estradiol upregulates ecto-5â€²-nucleotidase (CD73) in hippocampal synaptosomes of female rats through action mediated by estrogen receptor-Î± and -Î². Neuroscience, 2016, 324, 286-296.	2.3	16
134	3-(5-(Benzylideneamino)thiazol-3-yl)-2H-chromen-2-ones: a new class of alkaline phosphatase and ecto-5â€²-nucleotidase inhibitors. RSC Advances, 2016, 6, 21026-21036.	3.6	15
135	Methotrexate up-regulates ecto-5â€²-nucleotidase/CD73 and reduces the frequency of T lymphocytes in the glioblastoma microenvironment. Purinergic Signalling, 2016, 12, 303-312.	2.2	33
136	2-Alkoxy-3-(sulfonylarylaminomethylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. European Journal of Medicinal Chemistry, 2016, 115, 484-494.	5.5	23
137	Synthetic Approaches to the Multifunctional Drug Ebselen and Analogs: Past and Present. Mini-Reviews in Organic Chemistry, 2016, 13, 312-324.	1.3	13
138	E-NTPDase Family. , 2016, , 1-10.		0
139	Quinazolineâ€4â€piperidine sulfamides are specific inhibitors of human <scp>NPP</scp>1 and prevent pathological mineralization of valve interstitial cells. British Journal of Pharmacology, 2015, 172, 4189-4199.	5.4	33
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