JÃ³zef Oleksyszyn

List of Publications by Year
in descending order

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Version: 2024-02-01

51 papers	1,447 citations	361413 20 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	1299 citing authors

#	Article	IF	Citations
1	Irreversible inhibition of serine proteases by peptide derivatives of (.alpha.-aminoalkyl)phosphonate diphenyl esters. Biochemistry, 1991, 30, 485-493.	2.5	197
2	Diphenyl 1-Aminoalkanephosphonates. Synthesis, 1979, 1979, 985-986.	2.3	124
3	Dipeptide Phosphonates as Inhibitors of Dipeptidyl Peptidase IV. Journal of Medicinal Chemistry, 1994, 37, 3969-3976.	6.4	100
4	Novel amidine-containing peptidyl phosphonates as irreversible inhibitors for blood coagulation and related serine proteases. Journal of Medicinal Chemistry, 1994, 37, 226-231.	6.4	100
5	[30] Amino acid and peptide phosphonate derivatives as specific inhibitors of serine peptidases. Methods in Enzymology, 1994, 244, 423-441.	1.0	82
6	Comparision of the Cytotoxic Effects of Birch Bark Extract, Betulin and Betulinic Acid Towards Human Gastric Carcinoma and Pancreatic Carcinoma Drug-sensitive and Drug-Resistant Cell Lines. Molecules, 2009, 14, 1639-1651.	3.8	71
7	Identification of a serine protease inhibitor which causes inclusion vacuole reduction and is lethal to <scp>C</scp>hlamydia trachomatis. Molecular Microbiology, 2013, 89, 676-689.	2.5	55
8	Irreversible inhibition of serine proteases by peptidyl derivatives of Î±-aminoalkylphosphonate diphenyl esters. Biochemical and Biophysical Research Communications, 1989, 161, 143-149.	2.1	50
9	Human Neutrophil Elastase Phosphonic Inhibitors with Improved Potency of Action. Journal of Medicinal Chemistry, 2012, 55, 6541-6553.	6.4	46
10	Mechanism-Based Isocoumarin Inhibitors for Human Leukocyte Elastase. Effect of the 7-Amino Substituent and 3-Alkoxy Group in 3-Alkoxy-7-amino-4-chloroisocoumarins on Inhibitory Potency. Journal of Medicinal Chemistry, 1995, 38, 544-552.	6.4	44
11	Inhibition of trypsin and urokinase by Cbz-amino(4-guanidinophenyl)methanephosphonate aromatic ester derivatives: The influence of the ester group on their biological activity. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2886-2890.	2.2	43
12	Amidoalkylation of phosphorous acid. Tetrahedron Letters, 1981, 22, 3537-3540.	1.4	30
13	Effect of the 7-amino substituent on the inhibitory potency of mechanism-based isocoumarin inhibitors for porcine pancreatic and human neutrophil elastases: a 1.85-.ANG. x-ray structure of the complex between porcine pancreatic elastase and 7-[(N-tosylphenylalanyl)amino]-4-chloro-3-methoxyisocoumarin. Journal of Medicinal Chemistry, 1992, 35, 1121-1129.	6.4	29
14	Novel phosphonate analogs of sulforaphane: Synthesis, inÂvitro and inÂvivo anticancer activity. European Journal of Medicinal Chemistry, 2017, 132, 63-80.	5.5	27
15	Identification of very potent inhibitor of human aminopeptidase N (CD13). Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2497-2499.	2.2	25
16	Application of specific cell permeable cathepsin G inhibitors resulted in reduced antigen processing in primary dendritic cells. Molecular Immunology, 2009, 46, 2994-2999.	2.2	24
17	A convenient synthesis of new Î±-aminoalkylphosphonates, aromatic analogues of arginine as inhibitors of trypsin-like enzymes. Tetrahedron Letters, 2004, 45, 7251-7254.	1.4	22
18	Novel hydroxamic acid-related phosphinates: Inhibition of neutral aminopeptidase N (APN). Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1516-1519.	2.2	22

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19	Synthesis of Î±1-(Cbz-aminoalkyl)-Î±2-(hydroxyalkyl)phosphinic esters. Tetrahedron Letters, 2005, 46, 3359-3362.	1.4	21
20	New potent cathepsin G phosphonate inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 8863-8867.	3.0	21
21	Simple phosphonic inhibitors of human neutrophil elastase. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1310-1314.	2.2	20
22	The molecular basis of urokinase inhibition: from the nonempirical analysis of intermolecular interactions to the prediction of binding affinity. Journal of Molecular Modeling, 2007, 13, 677-683.	1.8	19
23	First synthesis of Î±-aminoalkyl-(N-substituted)thiocarbamoyl-phosphinates: Inhibitors of aminopeptidase N (APN/CD13) with the new zinc-binding group. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3734-3736.	2.2	18
24	The complete control of glucose level utilizing the composition of ketogenic diet with the gluconeogenesis inhibitor, the anti-diabetic drug metformin, as a potential anti-cancer therapy. Medical Hypotheses, 2011, 77, 171-173.	1.5	18
25	Development and Evaluation of an Immunoglobulin Y-Based ELISA for Measuring Prostate Specific Antigen in Human Serum. Annals of Laboratory Medicine, 2019, 39, 373-380.	2.5	17
26	Phosphonic pseudopeptides as human neutrophil elastase inhibitorsâ€"a combinatorial approach. Bioorganic and Medicinal Chemistry, 2011, 19, 1277-1284.	3.0	16
27	Synthesis and antiproliferative activity of novel Î±- and Î²-dialkoxyphosphoryl isothiocyanates. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4572-4576.	2.2	16
28	Phosphonic analogues of glutamic acid as irreversible inhibitors of Staphylococcus aureus endoproteinase GluC: An efficient synthesis and inhibition of the human IgG degradation. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1412-1415.	2.2	16
29	Synthesis and biological activity of diisothiocyanate-derived mercapturic acids. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 667-671.	2.2	14
30	Phosphonate inhibitors of West Nile virus NS2B/NS3 protease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 8-14.	5.2	14
31	Efficient methods for the synthesis of Î±-aminophosphonate fluoroalkyl esters. Tetrahedron Letters, 2013, 54, 1566-1568.	1.4	12
32	Generation and application of polyclonal IgY antibodies specific for full-length and nicked prostate-specific antigen. Bioanalysis, 2014, 6, 3197-3213.	1.5	12
33	Method for generation of peptideâ€specific igy antibodies directed to Staphylococcus aureus extracellular fibrinogen binding protein epitope. Biopolymers, 2015, 104, 552-559.	2.4	12
34	Development and binding characteristics of phosphonate inhibitors of SplA protease from Staphylococcus aureus. Protein Science, 2014, 23, 179-189.	7.6	11
35	Development of Adenosine Deaminase-Specific IgY Antibodies: Diagnostic and Inhibitory Application. Applied Biochemistry and Biotechnology, 2018, 184, 1358-1374.	2.9	11
36	New aromatic monoesters of Î±-aminoaralkylphosphonic acids as inhibitors of aminopeptidase N/CD13. Bioorganic and Medicinal Chemistry, 2010, 18, 2930-2936.	3.0	10

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37	Design, Synthesis, and Evaluation of Ï‰â€(Isothiocyanato)alkylphosphinates and Phosphine Oxides as Antiproliferative Agents. ChemMedChem, 2018, 13, 105-115.	3.2	10
38	A convenient method for the one-step synthesis of phosphonic peptides. Tetrahedron Letters, 2013, 54, 4975-4977.	1.4	9
39	Facile Synthesis of bisâ€Î±â€Aminoalkylphosphinates. Synthetic Communications, 2006, 36, 2787-2795.	2.1	8
40	Convenient syntheses of novel 1-isothiocyano-alkylphosphonate diphenyl ester derivatives with potential biological activity. Tetrahedron Letters, 2012, 53, 5845-5847.	1.4	8
41	3,4-dimethoxybenzyl isothiocyanate enhances doxorubicin efficacy in LoVoDX doxorubicin-resistant colon cancer and attenuates its toxicity in vivo. Life Sciences, 2019, 231, 116530.	4.3	8
42	Synthesis of isocyanide derivatives of Î±-aminoalkylphosphonate diphenyl esters. Tetrahedron Letters, 2006, 47, 4209-4211.	1.4	7
43	Invariant chain processing is independent of cathepsin variation between primary human B cells/dendritic cells and B-lymphoblastoid cells. Cellular Immunology, 2011, 269, 96-103.	3.0	6
44	Substrate profiling of Finegoldia magna SufA protease, inhibitor screening and application to prevent human fibrinogen degradation and bacteria growth inÂvitro. Biochimie, 2014, 103, 137-143.	2.6	6
45	Novel peptidyl Î±-aminoalkylphosphonates as inhibitors of hepatitis C virus NS3/4A protease. Antiviral Research, 2017, 144, 286-298.	4.1	5
46	Adjuvant-dependent immunogenicity of Staphylococcus aureus Efb and Map proteins in chickens. Veterinary Immunology and Immunopathology, 2015, 166, 50-56.	1.2	3
47	Phosphorus-containing isothiocyanate-derived mercapturic acids as a useful alternative for parental isothiocyanates in experimental oncology. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2611-2615.	2.2	3
48	Structure-based design, synthesis, and evaluation of the biological activity of novel phosphoroorganic small molecule IAP antagonists. Investigational New Drugs, 2020, 38, 1350-1364.	2.6	3
49	Viability of glioblastoma stem cells is effectively reduced by diisothiocyanateâ€‘derived mercapturic acids. Oncology Letters, 2018, 16, 6181-6187.	1.8	2
50	Phosphonic Analogs of Alanine as Acylpeptide Hydrolase Inhibitors. Chemistry and Biodiversity, 2021, 18, e2001004.	2.1	0
51	Diisothiocyanate-Derived Mercapturic Acids Are a Promising Partner for Combination Therapies in Glioblastoma. ACS Omega, 2022, 7, 5929-5936.	3.5	0