Igor A Schepetkin

List of Publications by Year
in descending order

72	2,973	218592	168321
papers	citations	26 h-index	53 g-index

73	73	73	3464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Ureidopropanamides as Formyl Peptide Receptor 2 (FPR2) Agonists to Target the Resolution of Inflammation in Central Nervous System Disorders. Journal of Medicinal Chemistry, 2022, 65, 5004-5028.	2.9	7
2	Molecular manipulation of the 1,5,6,7-tetrahydro-4H-indazol-4-one scaffold to obtain new human neutrophil elastase (HNE) inhibitors. Journal of Molecular Structure, 2022, 1263, 133140.	1.8	3
3	Neutrophil Immunomodulatory Activity of Farnesene, a Component of ArtemisiaÂdracunculus Essential Oils. Pharmaceuticals, 2022, 15, 642.	1.7	12
4	Exploration of nitrogen heterocycle scaffolds for the development of potent human neutrophil elastase inhibitors. Bioorganic and Medicinal Chemistry, 2021, 29, 115836.	1.4	9
5	Synthesis, Biological Evaluation, and Molecular Modeling of Aza-Crown Ethers. Molecules, 2021, 26, 2225.	1.7	8
6	Oximes: Novel Therapeutics with Anticancer and Anti-Inflammatory Potential. Biomolecules, 2021, 11, 777.	1.8	35
7	Chemical Composition and Immunomodulatory Activity of Essential Oils from Rhododendron albiflorum. Molecules, 2021, 26, 3652.	1.7	16
8	Synthesis, biological evaluation, molecular modeling, and structural analysis of new pyrazole and pyrazolone derivatives as Nâ€formyl peptide receptors agonists. Chemical Biology and Drug Design, 2021, 98, 582-603.	1.5	6
9	Novel c-Jun N-Terminal Kinase (JNK) Inhibitors with an 11H-Indeno[1,2-b]quinoxalin-11-one Scaffold. Molecules, 2021, 26, 5688.	1.7	11
10	1,5,6,7-Tetrahydro-4H-indazol-4-ones as human neutrophil elastase (HNE) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 52, 128380.	1.0	3
11	Pyridinone Derivatives as Interesting Formyl Peptide Receptor (FPR) Agonists for the Treatment of Rheumatoid Arthritis. Molecules, 2021, 26, 6583.	1.7	5
12	Therapeutic Effect of Novel Cyanopyrrolidine-Based Prolyl Oligopeptidase Inhibitors in Rat Models of Amnesia. Frontiers in Chemistry, 2021, 9, 780958.	1.8	2
13	Innate Immunomodulatory Activity of Cedrol, a Component of Essential Oils Isolated from Juniperus Species. Molecules, 2021, 26, 7644.	1.7	17
14	New 3â€unsubstituted isoxazolones as potent human neutrophil elastase inhibitors: Synthesis and molecular dynamic simulation. Drug Development Research, 2020, 81, 338-349.	1.4	11
15	Novel Sulfonamide Analogs of Sivelestat as Potent Human Neutrophil Elastase Inhibitors. Frontiers in Chemistry, 2020, 8, 795.	1.8	12
16	Therapeutic Effects of Tryptanthrin and Tryptanthrin-6-Oxime in Models of Rheumatoid Arthritis. Frontiers in Pharmacology, 2020, 11, 1145.	1.6	25
17	Alarmins and c-Jun N-Terminal Kinase (JNK) Signaling in Neuroinflammation. Cells, 2020, 9, 2350.	1.8	24
18	Essential Oils from Monarda fistulosa: Chemical Composition and Activation of Transient Receptor Potential A1 (TRPA1) Channels. Molecules, 2020, 25, 4873.	1.7	24

#	Article	IF	Citations
19	Electrosprayed poly(lactic-co-glycolic acid) particles as a promising drug delivery system for the novel JNK inhibitor IQ-1. European Polymer Journal, 2020, 127, 109598.	2.6	9
20	Inhibitory effect of IQ-1S, a selective c-Jun N-terminal kinase (JNK) inhibitor, on phenotypical and cytokine-producing characteristics in human macrophages and T-cells. European Journal of Pharmacology, 2020, 878, 173116.	1.7	10
21	Isolation of Neutrophils from Nonhuman Species. Methods in Molecular Biology, 2020, 2087, 43-59.	0.4	3
22	Novel formyl peptide receptor (FPR) agonists with pyridinone and pyrimidindione scaffolds that are potentially useful for the treatment of rheumatoid arthritis. Bioorganic Chemistry, 2020, 100, 103880.	2.0	17
23	The experimental model of type 2 diabetes mellitus caused by a high-fat diet with low-dose streptozotocin in rats. Bulletin of Siberian Medicine, 2020, 19, 41-47.	0.1	5
24	Poly(Îµ-caprolactone) Scaffolds Doped with c-Jun N-terminal Kinase Inhibitors Modulate Phagocyte Activation. ACS Biomaterials Science and Engineering, 2019, 5, 5990-5999.	2.6	8
25	Synthesis, anticancer activity, and molecular modeling of 1,4-naphthoquinones that inhibit MKK7 and Cdc25. European Journal of Medicinal Chemistry, 2019, 183, 111719.	2.6	18
26	A patenting perspective on human neutrophil elastase (HNE) inhibitors (2014-2018) and their therapeutic applications. Expert Opinion on Therapeutic Patents, 2019, 29, 555-578.	2.4	48
27	Neutrophil Immunomodulatory Activity of Natural Organosulfur Compounds. Molecules, 2019, 24, 1809.	1.7	40
28	Further modifications of 1Hâ€pyrrolo[2,3â€b]pyridine derivatives as inhibitors of human neutrophil elastase. Drug Development Research, 2019, 80, 617-628.	1.4	9
29	Aurantiamide-related dipeptide derivatives are formyl peptide receptor 1 antagonists. MedChemComm, 2019, 10, 2078-2088.	3.5	3
30	Synthesis, biological evaluation, and molecular modeling of 11H-indeno[1,2-b]quinoxalin-11-one derivatives and tryptanthrin-6-oxime as c-Jun N-terminal kinase inhibitors. European Journal of Medicinal Chemistry, 2019, 161, 179-191.	2.6	51
31	The natural sesquiterpene lactones arglabin, grosheimin, agracin, parthenolide, and estafiatin inhibit T cell receptor (TCR) activation. Phytochemistry, 2018, 146, 36-46.	1.4	31
32	1H-pyrrolo[2,3-b]pyridine: A new scaffold for human neutrophil elastase (HNE) inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 5583-5595.	1.4	23
33	Synthesis, biological evaluation, and molecular modelling studies of potent human neutrophil elastase (HNE) inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1108-1124.	2.5	18
34	Chemical composition and phagocyte immunomodulatory activity of Ferula iliensis essential oils. Journal of Leukocyte Biology, 2017, 101, 1361-1371.	1.5	30
35	Functional N â€Formyl Peptide Receptorâ€…2 (FPR2) Antagonists Based on the Ureidopropanamide Scaffold Have Potential To Protect Against Inflammationâ€Associated Oxidative Stress. ChemMedChem, 2017, 12, 1839-1847.	1.6	11
36	Novel ureidopropanamide based N-formyl peptide receptor 2 (FPR2) agonists with potential application for central nervous system disorders characterized by neuroinflammation. European Journal of Medicinal Chemistry, 2017, 141, 703-720.	2.6	36

#	Article	IF	Citations
37	Isoxazol-5(2H)-one: a new scaffold for potent human neutrophil elastase (HNE) inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 821-831.	2.5	27
38	4-Aroyl-3-hydroxy-5-phenyl-1H-pyrrol-2(5H)-ones as N-formyl peptide receptor 1 (FPR1) antagonists. Biochemical Pharmacology, 2017, 142, 120-132.	2.0	23
39	Synthesis of Fiveâ€•and Sixâ€Membered Nâ€Phenylacetamido Substituted Heterocycles as Formyl Peptide Receptor Agonists. Drug Development Research, 2017, 78, 49-62.	1.4	9
40	Synthesis and analytical characterization of new thiazol-2-(3H)-ones as human neutrophil elastase (HNE) inhibitors. Chemistry Central Journal, 2017, 11, 127.	2.6	15
41	Therapeutic Potential of Polyphenols from Epilobium Angustifolium (Fireweed). Phytotherapy Research, 2016, 30, 1287-1297.	2.8	54
42	2-Arylacetamido-4-phenylamino-5-substituted pyridazinones as formyl peptide receptors agonists. Bioorganic and Medicinal Chemistry, 2016, 24, 2530-2543.	1.4	20
43	Synthesis and Pharmacological Evaluation of Indole Derivatives as Deaza Analogues of Potent Human Neutrophil Elastase Inhibitors. Drug Development Research, 2016, 77, 285-299.	1.4	21
44	Modulation of Human Neutrophil Responses by the Essential Oils from Ferula akitschkensis and Their Constituents. Journal of Agricultural and Food Chemistry, 2016, 64, 7156-7170.	2.4	36
45	A novel dual NO-donating oxime and c-Jun N-terminal kinase inhibitor protects against cerebral ischemiaâ€“reperfusion injury in mice. Neuroscience Letters, 2016, 618, 45-49.	1.0	43
46	Cinnoline derivatives as human neutrophil elastase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 628-639.	2.5	34
47	Antagonism of human formyl peptide receptor 1 with natural compounds and their synthetic derivatives. International Immunopharmacology, 2016, 37, 43-58.	1.7	22
48	Anti-Inflammatory Effects and Joint Protection in Collagen-Induced Arthritis after Treatment with IQ-1S, a Selective c-Jun N-Terminal Kinase Inhibitor. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 505-516.	1.3	44
49	Aging influences the response of T cells to stimulation by the ellagitannin, oenothein B. International Immunopharmacology, 2015, 26, 367-377.	1.7	18
50	Inhibition of Human Neutrophil Responses by the Essential Oil of Artemisia kotuchovii and Its Constituents. Journal of Agricultural and Food Chemistry, 2015, 63, 4999-5007.	2.4	28
51	Novel 3-(1H-indol-3-yl)-2-[3-(4-methoxyphenyl)ureido]propanamides as selective agonists of human formyl-peptide receptor 2. Bioorganic and Medicinal Chemistry, 2015, 23, 3913-3924.	1.4	12
52	Antagonism of human formyl peptide receptor 1 (FPR1) by chromones and related isoflavones. Biochemical Pharmacology, 2014, 92, 627-641.	2.0	24
53	Optimization of N-Benzoylindazole Derivatives as Inhibitors of Human Neutrophil Elastase. Journal of Medicinal Chemistry, 2013, 56, 6259-6272.	2.9	54
54	Immunomodulatory and hemagglutinating activities of acidic polysaccharides isolated from Combretum racemosum. International Immunopharmacology, 2013, 15, 628-637.	1.7	20

#	Article	IF	Citations
55	3-(1H-indol-3-yl)-2-[3-(4-nitrophenyl)ureido]propanamide enantiomers with human formyl-peptide receptor agonist activity: Molecular modeling of chiral recognition by FPR2. Biochemical Pharmacology, 2013, 85, 404-416.	2.0	26
56	Synthesis and Pharmacological Evaluation of New Pyridazinâ€Based Thioderivatives as Formyl Peptide Receptor (<scp>FPR</scp>) Agonists. Drug Development Research, 2013, 74, 259-271.	1.4	21
57	Identification and Characterization of a Novel Class of c-Jun N-terminal Kinase Inhibitors. Molecular Pharmacology, 2012, 81, 832-845.	1.0	72
58	Design, synthesis and evaluation of N-benzoylindazole derivatives and analogues as inhibitors of human neutrophil elastase. Bioorganic and Medicinal Chemistry, 2011, 19, 4460-4472.	1.4	29
59	Gastrin-Releasing Peptide/Neuromedin B Receptor Antagonists PD176252, PD168368, and Related Analogs Are Potent Agonists of Human Formyl-Peptide Receptors. Molecular Pharmacology, 2011, 79, 77-90.	1.0	30
60	Novel Smallâ€molecule Agonists of Human Formyl Peptide Receptors and Pharmacophore Models of their Recognition. FASEB Journal, 2010, 24, 966.4.	0.2	0
61	Phagocyte Immunomodulatory Activity of Oenothein B, A Macrocyclic Elligatannin Isolated from Epilobium angustifolium. FASEB Journal, 2010, 24, 966.2.	0.2	0
62	Complementâ€fixing activity of fulvic acid from Shilajit and other natural sources. Phytotherapy Research, 2009, 23, 373-384.	2.8	27
63	Immunomodulatory Activity of Oenothein B Isolated from Epilobium angustifolium. Journal of Immunology, 2009, 183, 6754-6766.	0.4	69
64	Macrophage immunomodulatory activity of polysaccharides isolated from Opuntia polyacantha. International Immunopharmacology, 2008, 8, 1455-1466.	1.7	162
65	Identification of Novel Formyl Peptide Receptor-Like 1 Agonists That Induce Macrophage Tumor Necrosis Factor Î± Production. Molecular Pharmacology, 2008, 74, 392-402.	1.0	27
66	Novel innate polysaccharide agonists derived from Funtumia elastica tree bark (Yamoaâ„¢). FASEB Journal, 2008, 22, 672.24.	0.2	0
67	High-Throughput Screening for Small-Molecule Activators of Neutrophils: Identification of NovelN-Formyl Peptide Receptor Agonists. Molecular Pharmacology, 2007, 71, 1061-1074.	1.0	63
68	N-Benzoylpyrazoles Are Novel Small-Molecule Inhibitors of Human Neutrophil Elastase. Journal of Medicinal Chemistry, 2007, 50, 4928-4938.	2.9	50
69	Botanical polysaccharides: Macrophage immunomodulation and therapeutic potential. International Immunopharmacology, 2006, 6, 317-333.	1.7	1,020
70	Novel Small-Molecule Inhibitors of Anthrax Lethal Factor Identified by High-Throughput Screening. Journal of Medicinal Chemistry, 2006, 49, 5232-5244.	2.9	48
71	Decomposition of reactive oxygen species by copper(II) bis(1-pyrazolyl)methane complexes. Journal of Biological Inorganic Chemistry, 2006, 11, 499-513.	1.1	68
72	Macrophage immunomodulatory activity of polysaccharides isolated from Juniperus scopolorum. International Immunopharmacology, 2005, 5, 1783-1799.	1.7	157