Mark T Quinn

List of Publications by Year in Descending Order

226 papers	16,102 citations	63 h-index	122 g-index
232 ext. papers	17,207 ext. citations	5.7 avg, IF	6.31 L-index

#	Paper	IF	Citations
226	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	3.4	
225	Neutrophil Immunomodulatory Activity of Farnesene, a Component of Artemisia´dracunculus Essential Oils. *Pharmaceuticals*, **2022**, 15, 642	5.2	0
224	Therapeutic Effect of Novel Cyanopyrrolidine-Based Prolyl Oligopeptidase Inhibitors in Rat Models of Amnesia.. *Frontiers in Chemistry*, **2021**, 9, 780958	5	0
223	Host-to-Host Group A Transmission Causes Infection of the Lamina Propria but not Epithelium of the Upper Respiratory Tract in MyD88-Deficient Mice. *Infection and Immunity*, **2021**, IAI0042321	3.7	
222	Synthesis, Biological Evaluation, and Molecular Modeling of Aza-Crown Ethers. *Molecules*, **2021**, 26,	4.8	2
221	Oximes: Novel Therapeutics with Anticancer and Anti-Inflammatory Potential. *Biomolecules*, **2021**, 11,	5.9	9
220	Chemical Composition and Immunomodulatory Activity of Essential Oils from. *Molecules*, **2021**, 26,	4.8	3
219	Exploration of nitrogen heterocycle scaffolds for the development of potent human neutrophil elastase inhibitors. *Bioorganic and Medicinal Chemistry*, **2021**, 29, 115836	3.4	4
218	Synthesis, biological evaluation, molecular modeling, and structural analysis of new pyrazole and pyrazolone derivatives as N-formyl peptide receptors agonists. *Chemical Biology and Drug Design*, **2021**, 98, 582-603	2.9	1
217	Novel c-Jun N-Terminal Kinase (JNK) Inhibitors with an 11-Indeno[1,2-]quinoxalin-11-one Scaffold. *Molecules*, **2021**, 26,	4.8	2
216	1,5,6,7-Tetrahydro-4H-indazol-4-ones as human neutrophil elastase (HNE) inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 52, 128380	2.9	1
215	Innate Immunomodulatory Activity of Cedrol, a Component of Essential Oils Isolated from Species.. *Molecules*, **2021**, 26,	4.8	4
214	Chemical Composition and Immunomodulatory Activity of Essential Oils. *Biomolecules*, **2020**, 10,	5.9	15
213	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,	5.2	7
212	Analysis of Neutrophil Transmigration Through Epithelial Cell Monolayers. *Methods in Molecular Biology*, **2020**, 2087, 79-91	1.4	
211	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	5.1	9
210	New 3-unsubstituted isoxazolones as potent human neutrophil elastase inhibitors: Synthesis and molecular dynamic simulation. *Drug Development Research*, **2020**, 81, 338-349	5.1	7

209	Novel Sulfonamide Analogs of Sivelestat as Potent Human Neutrophil Elastase Inhibitors. *Frontiers in Chemistry*, **2020**, 8, 795	5	3
208	Therapeutic Effects of Tryptanthrin and Tryptanthrin-6-Oxime in Models of Rheumatoid Arthritis. *Frontiers in Pharmacology*, **2020**, 11, 1145	5.6	9
207	Alarmins and c-Jun N-Terminal Kinase (JNK) Signaling in Neuroinflammation. *Cells*, **2020**, 9,	7.9	6
206	Essential Oils from : Chemical Composition and Activation of Transient Receptor Potential A1 (TRPA1) Channels. *Molecules*, **2020**, 25,	4.8	11
205	The Role of Neutrophils in the Immune System: An Overview. *Methods in Molecular Biology*, **2020**, 2087, 3-10	1.4	16
204	Isolation of Neutrophils from Nonhuman Species. *Methods in Molecular Biology*, **2020**, 2087, 43-59	1.4	2
203	Poly(Ɛcaprolactone) Scaffolds Doped with c-Jun N-terminal Kinase Inhibitors Modulate Phagocyte Activation. *ACS Biomaterials Science and Engineering*, **2019**, 5, 5990-5999	5.5	5
202	Synthesis, anticancer activity, and molecular modeling of 1,4-naphthoquinones that inhibit MKK7 and Cdc25. *European Journal of Medicinal Chemistry*, **2019**, 183, 111719	6.8	7
201	Inhibition of T Cell Receptor Activation by Semi-Synthetic Sesquiterpene Lactone Derivatives and Molecular Modeling of Their Interaction with Glutathione and Tyrosine Kinase ZAP-70. *Molecules*, **2019**, 24,	4.8	1
200	Phagocytes (Innate Immunity) **2019**, 496-496		0
199	A patenting perspective on human neutrophil elastase (HNE) inhibitors (2014-2018) and their therapeutic applications. *Expert Opinion on Therapeutic Patents*, **2019**, 29, 555-578	6.8	28
198	Neutrophil Immunomodulatory Activity of Natural Organosulfur Compounds. *Molecules*, **2019**, 24,	4.8	25
197	Further modifications of 1H-pyrrolo[2,3-b]pyridine derivatives as inhibitors of human neutrophil elastase. *Drug Development Research*, **2019**, 80, 617-628	5.1	5
196	A Novel Gastric Spheroid Co-culture Model Reveals Chemokine-Dependent Recruitment of Human Dendritic Cells to the Gastric Epithelium. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 8, 157-171.e3	7.9	41
195	Tissue Tropism in Streptococcal Infection: Wild-Type M1T1 Group A Is Efficiently Cleared by Neutrophils Using an NADPH Oxidase-Dependent Mechanism in the Lung but Not in the Skin. *Infection and Immunity*, **2019**, 87,	3.7	2
194	Aurantiamide-related dipeptide derivatives are formyl peptide receptor 1 antagonists. *MedChemComm*, **2019**, 10, 2078-2088	5	0
193	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	6.8	24
192	The natural sesquiterpene lactones arglabin, grosheimin, agracin, parthenolide, and estafiatin inhibit T cell receptor (TCR) activation. *Phytochemistry*, **2018**, 146, 36-46	4	24

191	Chemical Composition and Antibacterial Activity of Essential Oils from L. Species against Methicillin-Resistant. *Molecules*, **2018**, 23,	4.8	24
190	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	5.6	14
189	Physicochemical Characterization and Antioxidant Activity of Humic Acids Isolated from Peat of Various Origins. *Molecules*, **2018**, 23,	4.8	30
188	1H-pyrrolo[2,3-b]pyridine: A new scaffold for human neutrophil elastase (HNE) inhibitors. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 5583-5595	3.4	13
187	Chemical composition and phagocyte immunomodulatory activity of essential oils. *Journal of Leukocyte Biology*, **2017**, 101, 1361-1371	6.5	24
186	Functional N-Formyl Peptide Receptor 2 (FPR2) Antagonists Based on the Ureidopropanamide Scaffold Have Potential To Protect Against Inflammation-Associated Oxidative Stress. *ChemMedChem*, **2017**, 12, 1839-1847	3.7	5
185	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	6.8	25
184	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	5.6	18
183	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	6	15
182	Synthesis of Five- and Six-Membered N-Phenylacetamido Substituted Heterocycles as Formyl Peptide Receptor Agonists. *Drug Development Research*, **2017**, 78, 49-62	5.1	4
181	Synthesis and analytical characterization of new thiazol-2-(3H)-ones as human neutrophil elastase (HNE) inhibitors. *Chemistry Central Journal*, **2017**, 11, 127		10
180	Antagonism of human formyl peptide receptor 1 with natural compounds and their synthetic derivatives. *International Immunopharmacology*, **2016**, 37, 43-58	5.8	20
179	A novel dual NO-donating oxime and c-Jun N-terminal kinase inhibitor protects against cerebral ischemia-reperfusion injury in mice. *Neuroscience Letters*, **2016**, 618, 45-49	3.3	35
178	Cinnoline derivatives as human neutrophil elastase inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2016**, 31, 628-39	5.6	24
177	NET Confusion. *Frontiers in Immunology*, **2016**, 7, 259	8.4	19
176	Therapeutic Potential of Polyphenols from Epilobium Angustifolium (Fireweed). *Phytotherapy Research*, **2016**, 30, 1287-97	6.7	40
175	Effects of the neutrophil elastase inhibitor EL-17 in rat adjuvant-induced arthritis. *Rheumatology*, **2016**, 55, 1285-94	3.9	12
174	2-Arylacetamido-4-phenylamino-5-substituted pyridazinones as formyl peptide receptors agonists. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2530-2530	3.4	14

173	Synthesis and Pharmacological Evaluation of Indole Derivatives as Deaza Analogues of Potent Human Neutrophil Elastase Inhibitors. *Drug Development Research*, **2016**, 77, 285-99	5.1	10
172	Modulation of Human Neutrophil Responses by the Essential Oils from Ferula akitschkensis and Their Constituents. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 7156-70	5.7	24
171	Boronic acid-containing aminopyridine- and aminopyrimidinecarboxamide CXCR1/2 antagonists: Optimization of aqueous solubility and oral bioavailability. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 3793-7	2.9	9
170	Aging influences the response of T cells to stimulation by the ellagitannin, oenothein B. *International Immunopharmacology*, **2015**, 26, 367-77	5.8	13
169	Boronic acid-containing CXCR1/2 antagonists: Optimization of metabolic stability, in vivo evaluation, and a proposed receptor binding model. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2280-4	2.9	8
168	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	5.7	19
167	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, 3913-24	3.4	9
166	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, 505-16	4.7	36
165	Discovery of 2-[5-(4-Fluorophenylcarbamoyl)pyridin-2-ylsulfanylmethyl]phenylboronic Acid (SX-517): Noncompetitive Boronic Acid Antagonist of CXCR1 and CXCR2. *Journal of Medicinal Chemistry*, **2014**, 57, 8378-97	8.3	21
164	Unique role of NADPH oxidase 5 in oxidative stress in human renal proximal tubule cells. *Redox Biology*, **2014**, 2, 570-9	11.3	34
163	Bidirectional interactions between NOX2-type NADPH oxidase and the F-actin cytoskeleton in neuronal growth cones. *Journal of Neurochemistry*, **2014**, 130, 526-40	6	42
162	Antagonism of human formyl peptide receptor 1 (FPR1) by chromones and related isoflavones. *Biochemical Pharmacology*, **2014**, 92, 627-41	6	21
161	Development of small molecule non-peptide formyl peptide receptor (FPR) ligands and molecular modeling of their recognition. *Current Medicinal Chemistry*, **2014**, 21, 1478-504	4.3	34
160	The role of neutrophils in the immune system: an overview. *Methods in Molecular Biology*, **2014**, 1124, 3-10	1.4	36
159	Neutrophil isolation from nonhuman species. *Methods in Molecular Biology*, **2014**, 1124, 19-37	1.4	25
158	Immunomodulatory activity of polysaccharides isolated from Clerodendrum splendens: beneficial effects in experimental autoimmune encephalomyelitis. *BMC Complementary and Alternative Medicine*, **2013**, 13, 149	4.7	26
157	Optimization of N-benzoylindazole derivatives as inhibitors of human neutrophil elastase. *Journal of Medicinal Chemistry*, **2013**, 56, 6259-72	8.3	40
156	NADPH Oxidases: Structure and Function **2013**, 137-178		

155	Immunomodulatory and hemagglutinating activities of acidic polysaccharides isolated from Combretum racemosum. *International Immunopharmacology*, **2013**, 15, 628-37	5.8	17
154	Immunomodulatory activity of polysaccharides isolated from Alchornea cordifolia. *Journal of Ethnopharmacology*, **2013**, 146, 232-42	5	54
153	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, 404-16	6	24
152	Synthesis and Pharmacological Evaluation of New Pyridazin-Based Thioderivatives as Formyl Peptide Receptor (FPR) Agonists. *Drug Development Research*, **2013**, 74, 259-271	5.1	15
151	Further studies on 2-arylacetamide pyridazin-3(2H)-ones: design, synthesis and evaluation of 4,6-disubstituted analogs as formyl peptide receptors (FPRs) agonists. *European Journal of Medicinal Chemistry*, **2013**, 64, 512-28	6.8	27
150	Synthesis, HPLC enantioresolution, and X-ray analysis of a new series of C5-methyl pyridazines as N-formyl peptide receptor (FPR) agonists. *Chirality*, **2013**, 25, 400-8	2.1	7
149	The Neutrophil Respiratory Burst Oxidase **2013**, 42-105		
148	A NET Outcome. *Frontiers in Immunology*, **2012**, 3, 365	8.4	50
147	Synthesis, enantioresolution, and activity profile of chiral 6-methyl-2,4-disubstituted pyridazin-3(2H)-ones as potent N-formyl peptide receptor agonists. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3781-92	3.4	19
146	Sublytic concentrations of Staphylococcus aureus Panton-Valentine leukocidin alter human PMN gene expression and enhance bactericidal capacity. *Journal of Leukocyte Biology*, **2012**, 92, 361-74	6.5	41
145	Molecular docking of 2-(benzimidazol-2-ylthio)-N-phenylacetamide-derived small-molecule agonists of human formyl peptide receptor 1. *Journal of Molecular Modeling*, **2012**, 18, 2831-43	2	16
144	Group A Streptococcus secreted esterase hydrolyzes platelet-activating factor to impede neutrophil recruitment and facilitate innate immune evasion. *PLoS Pathogens*, **2012**, 8, e1002624	7.6	33
143	Effects of the antioxidant drug tempol on renal oxygenation in mice with reduced renal mass. *American Journal of Physiology - Renal Physiology*, **2012**, 303, F64-74	4.3	34
142	Identification and characterization of a novel class of c-Jun N-terminal kinase inhibitors. *Molecular Pharmacology*, **2012**, 81, 832-45	4.3	52
141	Oenothein B, a cyclic dimeric ellagitannin isolated from Epilobium angustifolium, enhances IFN production by lymphocytes. *PLoS ONE*, **2012**, 7, e50546	3.7	27
140	Differential regulation of Nox1, Nox2 and Nox4 in vascular smooth muscle cells from WKY and SHR. *Journal of the American Society of Hypertension*, **2011**, 5, 137-53		75
139	Dopamine D1 receptor-mediated inhibition of NADPH oxidase activity in human kidney cells occurs via protein kinase A-protein kinase C cross talk. *Free Radical Biology and Medicine*, **2011**, 50, 832-40	7.8	16
138	Design, synthesis and evaluation of N-benzoylindazole derivatives and analogues as inhibitors of human neutrophil elastase. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 4460-72	3.4	22

137	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	4.3	23
136	Polysaccharides isolated from A□□fruit induce innate immune responses. *PLoS ONE*, **2011**, 6, e17301	3.7	59
135	Nicotinamide adenine dinucleotide phosphate reduced oxidase 5 (Nox5) regulation by angiotensin II and endothelin-1 is mediated via calcium/calmodulin-dependent, rac-1-independent pathways in human endothelial cells. *Circulation Research*, **2010**, 106, 1363-73	15.7	145
134	Nicotinamide glycolates antagonize CXCR2 activity through an intracellular mechanism. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 332, 145-52	4.7	7
133	Memorial: Gary Michael Bokoch, 1954-2010. *Journal of Leukocyte Biology*, **2010**, 87, 535-6	6.5	
132	Identification of novel small-molecule agonists for human formyl peptide receptors and pharmacophore models of their recognition. *Molecular Pharmacology*, **2010**, 77, 159-70	4.3	44
131	Computational structure-activity relationship analysis of small-molecule agonists for human formyl peptide receptors. *European Journal of Medicinal Chemistry*, **2010**, 45, 5406-19	6.8	4
130	Novel Small-molecule Agonists of Human Formyl Peptide Receptors and Pharmacophore Models of their Recognition. *FASEB Journal*, **2010**, 24, 966.4	0.9	
129	Phagocyte Immunomodulatory Activity of Oenothein B, A Macrocyclic Elligatannin Isolated from Epilobium angustifolium. *FASEB Journal*, **2010**, 24, 966.2	0.9	
128	Regulation of the phagocyte NADPH oxidase activity: phosphorylation of gp91phox/NOX2 by protein kinase C enhances its diaphorase activity and binding to Rac2, p67phox, and p47phox. *FASEB Journal*, **2009**, 23, 1011-22	0.9	139
127	Role of NADPH oxidase in formation and function of multinucleated giant cells. *Journal of Innate Immunity*, **2009**, 1, 509-26	6.9	45
126	D1-like receptors regulate NADPH oxidase activity and subunit expression in lipid raft microdomains of renal proximal tubule cells. *Hypertension*, **2009**, 53, 1054-61	8.5	31
125	Complement-fixing activity of fulvic acid from Shilajit and other natural sources. *Phytotherapy Research*, **2009**, 23, 373-84	6.7	20
124	Inhibition of the human neutrophil NADPH oxidase by Coxiella burnetii. *Microbes and Infection*, **2009**, 11, 671-9	9.3	49
123	6-methyl-2,4-disubstituted pyridazin-3(2H)-ones: a novel class of small-molecule agonists for formyl peptide receptors. *Journal of Medicinal Chemistry*, **2009**, 52, 5044-57	8.3	40
122	Localization of NADPH oxidase in sympathetic and sensory ganglion neurons and perivascular nerve fibers. *Autonomic Neuroscience: Basic and Clinical*, **2009**, 151, 90-7	2.4	23
121	Polysaccharides derived from Yamoa (Funtumia elastica) prime gammadelta T cells in vitro and enhance innate immune responses in vivo. *International Immunopharmacology*, **2009**, 9, 1313-22	5.8	22
120	Synthesis, characterization and potent superoxide dismutase-like activity of novel bis(pyrazole)-2,2Sbipyridyl mixed ligand copper(II) complexes. *Dalton Transactions*, **2009**, 4488-98	4.3	37

119	Immunomodulatory activity of oenothein B isolated from Epilobium angustifolium. *Journal of Immunology*, **2009**, 183, 6754-66	5.3	56
118	Regulation of proliferation of skeletal muscle precursor cells by NADPH oxidase. *Antioxidants and Redox Signaling*, **2008**, 10, 559-74	8.4	55
117	Macrophage immunomodulatory activity of polysaccharides isolated from Opuntia polyacantha. *International Immunopharmacology*, **2008**, 8, 1455-66	5.8	137
116	Molecular analysis of the bovine anaphylatoxin C5a receptor. *Journal of Leukocyte Biology*, **2008**, 84, 537-49	6.5	10
115	Lipid rafts keep NADPH oxidase in the inactive state in human renal proximal tubule cells. *Hypertension*, **2008**, 51, 481-7	8.5	68
114	Identification of novel formyl peptide receptor-like 1 agonists that induce macrophage tumor necrosis factor alpha production. *Molecular Pharmacology*, **2008**, 74, 392-402	4.3	24
113	Fractionation and characterization of biologically-active polysaccharides from Artemisia tripartita. *Phytochemistry*, **2008**, 69, 1359-71	4	80
112	Structure-activity relationship analysis of N-benzoylpyrazoles for elastase inhibitory activity: a simplified approach using atom pair descriptors. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 2791-802	3.4	15
111	Computational structure-activity relationship analysis of non-peptide inducers of macrophage tumor necrosis factor-alpha production. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9302-12	3.4	6
110	Novel innate polysaccharide agonists derived from Funtumia elastica tree bark (Yamoa). *FASEB Journal*, **2008**, 22, 672.24	0.9	
109	Improved quantitative structure-activity relationship models to predict antioxidant activity of flavonoids in chemical, enzymatic, and cellular systems. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 1749-70	3.4	113
108	Molecular evolution of the reactive oxygen-generating NADPH oxidase (Nox/Duox) family of enzymes. *BMC Evolutionary Biology*, **2007**, 7, 109	3	235
107	High-throughput screening for small-molecule activators of neutrophils: identification of novel N-formyl peptide receptor agonists. *Molecular Pharmacology*, **2007**, 71, 1061-74	4.3	58
106	Binding of pleomorphic adenoma gene-like 2 to the tumor necrosis factor (TNF)-alpha-responsive region of the NCF2 promoter regulates p67(phox) expression and NADPH oxidase activity. *Journal of Biological Chemistry*, **2007**, 282, 17941-52	5.4	16
105	Role of NF-kappaB in transcriptional regulation of the phagocyte NADPH oxidase by tumor necrosis factor-alpha. *Journal of Leukocyte Biology*, **2007**, 82, 729-41	6.5	117
104	Immunomodulatory activity of acidic polysaccharides isolated from Tanacetum vulgare L. *International Immunopharmacology*, **2007**, 7, 1639-50	5.8	78
103	Neutrophil methods and protocols. Preface. *Methods in Molecular Biology*, **2007**, 412, vii-viii	1.4	21
102	N-benzoylpyrazoles are novel small-molecule inhibitors of human neutrophil elastase. *Journal of Medicinal Chemistry*, **2007**, 50, 4928-38	8.3	44

101	Neutrophil isolation from nonhuman species. *Methods in Molecular Biology*, **2007**, 412, 21-34	1.4	49
100	Activation state-dependent interaction between Galphai and p67phox. *Molecular and Cellular Biology*, **2006**, 26, 5190-200	4.8	7
99	Addition of the antioxidant probucol to angiotensin II type I receptor antagonist arrests progressive mesangioproliferative glomerulonephritis in the rat. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 783-94	12.7	38
98	Metallothionein prolongs survival and antagonizes senescence-associated cardiomyocyte diastolic dysfunction: role of oxidative stress. *FASEB Journal*, **2006**, 20, 1024-6	0.9	122
97	D5 dopamine receptor regulation of reactive oxygen species production, NADPH oxidase, and blood pressure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 290, R96-R104	3.2	90
96	Defects in ex vivo and in vivo growth and sensitivity to osmotic stress of group A Streptococcus caused by interruption of response regulator gene vicR. *Microbiology (United Kingdom)*, **2006**, 152, 967-978	2.9	73
95	Variants of the 5Suntranslated region of human NCF2: expression and translational efficiency. *Gene* , **2006**, 366, 169-79	3.8	18
94	Botanical polysaccharides: macrophage immunomodulation and therapeutic potential. *International Immunopharmacology*, **2006**, 6, 317-33	5.8	880
93	The expanding role of NADPH oxidases in health and disease: no longer just agents of death and destruction. *Clinical Science*, **2006**, 111, 1-20	6.5	135
92	Quantitative structure-activity relationships for small non-peptide antagonists of CXCR2: indirect 3D approach using the frontal polygon method. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 352-65	3.4	9
91	Novel small-molecule inhibitors of anthrax lethal factor identified by high-throughput screening. *Journal of Medicinal Chemistry*, **2006**, 49, 5232-44	8.3	44
90	Decomposition of reactive oxygen species by copper(II) bis(1-pyrazolyl)methane complexes. *Journal of Biological Inorganic Chemistry*, **2006**, 11, 499-513	3.7	61
89	IQGAP1 regulates reactive oxygen species-dependent endothelial cell migration through interacting with Nox2. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 2295-300	9.4	107
88	Synaptic localization of a functional NADPH oxidase in the mouse hippocampus. *Molecular and Cellular Neurosciences*, **2005**, 29, 97-106	4.8	172
87	Macrophage immunomodulatory activity of polysaccharides isolated from Juniperus scopolorum. *International Immunopharmacology*, **2005**, 5, 1783-99	5.8	142
86	p21-activated kinase (Pak) regulates NADPH oxidase activation in human neutrophils. *Blood*, **2005**, 106, 3962-9	2.2	63
85	Mechanisms of antioxidant and pro-oxidant effects of alpha-lipoic acid in the diabetic and nondiabetic kidney. *Kidney International*, **2005**, 67, 1371-80	9.9	80
84	Effects of NADPH oxidase inhibitor in diabetic nephropathy. *Kidney International*, **2005**, 67, 1890-8	9.9	238

83	Identification of a novel tumor necrosis factor alpha-responsive region in the NCF2 promoter. *Journal of Leukocyte Biology*, **2005**, 77, 267-78	6.5	8
82	p47phox associates with the cytoskeleton through cortactin in human vascular smooth muscle cells: role in NAD(P)H oxidase regulation by angiotensin II. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 512-8	9.4	141
81	Functional association of nox1 with p22phox in vascular smooth muscle cells. *Free Radical Biology and Medicine*, **2004**, 37, 1542-9	7.8	68
80	Distinct subcellular localizations of Nox1 and Nox4 in vascular smooth muscle cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 677-83	9.4	480
79	Oxidative stress in the infarcted heart: role of de novo angiotensin II production. *Biochemical and Biophysical Research Communications*, **2004**, 325, 943-51	3.4	43
78	Structure and regulation of the neutrophil respiratory burst oxidase: comparison with nonphagocyte oxidases. *Journal of Leukocyte Biology*, **2004**, 76, 760-81	6.5	354
77	A dual role of the GTPase Rac in cardiac differentiation of stem cells. *Molecular Biology of the Cell*, **2003**, 14, 2781-92	3.5	52
76	Inhibition of actin polymerization by peroxynitrite modulates neutrophil functional responses. *Journal of Leukocyte Biology*, **2003**, 73, 344-55	6.5	46
75	NOX5 NAD(P)H oxidase regulates growth and apoptosis in DU 145 prostate cancer cells. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C353-69	5.4	208
74	Superoxide production in the vasculature of lipopolysaccharide-treated rats and pigs. *Shock*, **2003**, 19, 486-93	3.4	24
73	Inhibition of the neutrophil NADPH oxidase by adenosine is associated with increased movement of flavocytochrome b between subcellular fractions. *Inflammation*, **2003**, 27, 45-58	5.1	13
72	Redox signaling of NF-kappaB by membrane NAD(P)H oxidases in normal and malignant cells. *Protoplasma*, **2003**, 221, 117-27	3.4	29
71	PB1 domain-mediated heterodimerization in NADPH oxidase and signaling complexes of atypical protein kinase C with Par6 and p62. *Molecular Cell*, **2003**, 12, 39-50	17.6	162
70	AT1 blockade prevents glucose-induced cardiac dysfunction in ventricular myocytes: role of the AT1 receptor and NADPH oxidase. *Hypertension*, **2003**, 42, 206-12	8.5	208
69	??????????????????????????????????. *Japanese Journal of Pediatric Nephrology*, **2003**, 16, 69-72	0	0
68	Effect of fibrin sealant composition on human neutrophil chemotaxis. *Journal of Biomedical Materials Research Part B*, **2002**, 61, 474-81		28
67	Novel role of gp91(phox)-containing NAD(P)H oxidase in vascular endothelial growth factor-induced signaling and angiogenesis. *Circulation Research*, **2002**, 91, 1160-7	15.7	424
66	Cytochrome b558-dependent NAD(P)H oxidase-phox units in smooth muscle and macrophages of atherosclerotic lesions. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 2037-43	9.4	88

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