

Yousef Al-Abed

List of Publications by Year in descending order

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165
papers

14,803
citations

38720

50
h-index

19169

118
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177
all docs

177
docs citations

177
times ranked

15357
citing authors

#	ARTICLE	IF	CITATIONS
1	Nicotinic acetylcholine receptor $\alpha 7$ subunit is an essential regulator of inflammation. <i>Nature</i> , 2003, 421, 384-388.	13.7	3,346
2	Cholinergic agonists inhibit HMGB1 release and improve survival in experimental sepsis. <i>Nature Medicine</i> , 2004, 10, 1216-1221.	15.2	1,624
3	A critical cysteine is required for HMGB1 binding to Toll-like receptor 4 and activation of macrophage cytokine release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11942-11947.	3.3	705
4	Cholinergic stimulation blocks endothelial cell activation and leukocyte recruitment during inflammation. <i>Journal of Experimental Medicine</i> , 2005, 201, 1113-1123.	4.2	444
5	Brain acetylcholinesterase activity controls systemic cytokine levels through the cholinergic anti-inflammatory pathway. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 41-45.	2.0	378
6	Redox Modification of Cysteine Residues Regulates the Cytokine Activity of High Mobility Group Box-1 (HMGB1). <i>Molecular Medicine</i> , 2012, 18, 250-259.	1.9	378
7	Resveratrol mitigates lipopolysaccharide- and $\alpha 1$ -mediated microglial inflammation by inhibiting the TLR4/NF- κ B/STAT signaling cascade. <i>Journal of Neurochemistry</i> , 2012, 120, 461-472.	2.1	363
8	Selective $\alpha 7$ -nicotinic acetylcholine receptor agonist GTS-21 improves survival in murine endotoxemia and severe sepsis*. <i>Critical Care Medicine</i> , 2007, 35, 1139-1144.	0.4	352
9	Central muscarinic cholinergic regulation of the systemic inflammatory response during endotoxemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5219-5223.	3.3	295
10	MD-2 is required for disulfide HMGB1-dependent TLR4 signaling. <i>Journal of Experimental Medicine</i> , 2015, 212, 5-14.	4.2	295
11	Modulation of TNF Release by Choline Requires $\alpha 7$ Subunit Nicotinic Acetylcholine Receptor-Mediated Signaling. <i>Molecular Medicine</i> , 2008, 14, 567-574.	1.9	288
12	ISO-1 Binding to the Tautomerase Active Site of MIF Inhibits Its Pro-inflammatory Activity and Increases Survival in Severe Sepsis. <i>Journal of Biological Chemistry</i> , 2005, 280, 36541-36544.	1.6	264
13	The Tautomerase Active Site of Macrophage Migration Inhibitory Factor Is a Potential Target for Discovery of Novel Anti-inflammatory Agents. <i>Journal of Biological Chemistry</i> , 2002, 277, 24976-24982.	1.6	250
14	Rodent models of neuroinflammation for Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2015, 12, 74.	3.1	191
15	The Selective $\alpha 7$ Agonist GTS-21 Attenuates Cytokine Production in Human Whole Blood and Human Monocytes Activated by Ligands for TLR2, TLR3, TLR4, TLR9, and RAGE. <i>Molecular Medicine</i> , 2009, 15, 195-202.	1.9	175
16	Inhibition of macrophage migration inhibitory factor (MIF) tautomerase and biological activities by acetaminophen metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 144-149.	3.3	154
17	C1q limits dendritic cell differentiation and activation by engaging LAIR-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3160-7.	3.3	149
18	High mobility group box 1 orchestrates tissue regeneration via CXCR4. <i>Journal of Experimental Medicine</i> , 2018, 215, 303-318.	4.2	131

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19	C1q and HMGB1 reciprocally regulate human macrophage polarization. <i>Blood</i> , 2016, 128, 2218-2228.	0.6	130
20	Inhibition of MIF Bioactivity by Rational Design of Pharmacological Inhibitors of MIF Tautomerase Activity. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2410-2416.	2.9	115
21	A Novel Mechanism of B Cell-Mediated Immune Suppression through CD73 Expression and Adenosine Production. <i>Journal of Immunology</i> , 2014, 193, 5904-5913.	0.4	113
22	Naturally Occurring Autoantibodies against β -Amyloid: Investigating Their Role in Transgenic Animal and <i>In Vitro</i> Models of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2011, 31, 5847-5854.	1.7	111
23	Cerebral Ischemia Enhances Polyamine Oxidation: Identification of Enzymatically Formed 3-Aminopropanal as an Endogenous Mediator of Neuronal and Glial Cell Death. <i>Journal of Experimental Medicine</i> , 1998, 188, 327-340.	4.2	110
24	Influenza Virus Infection Aggravates Stroke Outcome. <i>Stroke</i> , 2011, 42, 783-791.	1.0	104
25	Regulation of Human Lung Adenocarcinoma Cell Migration and Invasion by Macrophage Migration Inhibitory Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 29910-29918.	1.6	97
26	Macrophage Migration Inhibitory Factor Promotes Colorectal Cancer. <i>Molecular Medicine</i> , 2009, 15, 1-10.	1.9	96
27	High Mobility Group Box-1 (HMGB1): Current Wisdom and Advancement as a Potential Drug Target. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5093-5107.	2.9	90
28	Release of Macrophage Migration Inhibitory Factor and CXCL8/Interleukin-8 from Lung Epithelial Cells Rendered Necrotic by Influenza A Virus Infection. <i>Journal of Virology</i> , 2002, 76, 9298-9306.	1.5	89
29	MIF as a disease target: ISO-1 as a proof-of-concept therapeutic. <i>Future Medicinal Chemistry</i> , 2011, 3, 45-63.	1.1	87
30	The Role of Macrophage Migration Inhibitory Factor in Alzheimer's Disease. <i>Molecular Medicine</i> , 2010, 16, 116-121.	1.9	80
31	Macrophage migration inhibitory factor (MIF) is necessary for progression of autoimmune diabetes mellitus. <i>Journal of Cellular Physiology</i> , 2008, 215, 665-675.	2.0	76
32	Neuroprotection in cerebral ischemia by neutralization of 3-aminopropanal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5579-5584.	3.3	75
33	Pomalidomide reverses β -globin silencing through the transcriptional reprogramming of adult hematopoietic progenitors. <i>Blood</i> , 2016, 127, 1481-1492.	0.6	75
34	Inhibition of HMGB1/RAGE-mediated endocytosis by HMGB1 antagonist box A, anti-HMGB1 antibodies, and cholinergic agonists suppresses inflammation. <i>Molecular Medicine</i> , 2019, 25, 13.	1.9	75
35	Macrophage Migration Inhibitory Factor Elicits an Angiogenic Phenotype in Human Ectopic Endometrial Cells and Triggers the Production of Major Angiogenic Factors via CD44, CD74, and MAPK Signaling Pathways. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, E403-E412.	1.8	72
36	MIF, a controversial cytokine: a review of structural features, challenges, and opportunities for drug development. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1463-1475.	1.5	70

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37	Contribution of the macrophage migration inhibitory factor superfamily of cytokines in the pathogenesis of preclinical and human multiple sclerosis: In silico and in vivo evidences. <i>Journal of Neuroimmunology</i> , 2018, 322, 46-56.	1.1	69
38	Anticancer properties of the novel nitric oxide-donating compound (<i>S,R</i>)-3-phenyl-4,5-dihydro-5-isoxazole acetic acid-nitric oxide <i>in vitro</i> and <i>in vivo</i>. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 510-520.	1.9	68
39	Xanomeline suppresses excessive pro-inflammatory cytokine responses through neural signal-mediated pathways and improves survival in lethal inflammation. <i>Brain, Behavior, and Immunity</i> , 2015, 44, 19-27.	2.0	64
40	Macrophage Migration Inhibitory Factor Mediates Hypoxia-Induced Pulmonary Hypertension. <i>Molecular Medicine</i> , 2012, 18, 215-223.	1.9	63
41	Neural Signaling in the Spleen Controls B-Cell Responses to Blood-Borne Antigen. <i>Molecular Medicine</i> , 2012, 18, 618-627.	1.9	62
42	HMGB1-Driven Inflammation and Intimal Hyperplasia After Arterial Injury Involves Cell-Specific Actions Mediated by TLR4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2579-2593.	1.1	62
43	Nicotinic Acetylcholine Receptor Agonists Attenuate Septic Acute Kidney Injury in Mice by Suppressing Inflammation and Proteasome Activity. <i>PLoS ONE</i> , 2012, 7, e35361.	1.1	60
44	Rediscovering MIF: New Tricks for an Old Cytokine. <i>Trends in Immunology</i> , 2019, 40, 447-462.	2.9	59
45	Forebrain Cholinergic Signaling Regulates Innate Immune Responses and Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 585.	2.2	55
46	Phenolic Hydrazones Are Potent Inhibitors of Macrophage Migration Inhibitory Factor Proinflammatory Activity and Survival Improving Agents in Sepsis. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1993-1997.	2.9	54
47	Nicotine Inhibits Cytokine Production by Placenta Cells via NF κ B: Potential Role in Pregnancy-Induced Hypertension. <i>Molecular Medicine</i> , 2007, 13, 576-583.	1.9	53
48	Generation of a unique small molecule peptidomimetic that neutralizes lupus autoantibody activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10255-10259.	3.3	53
49	Cardiopulmonary Arrest and Resuscitation Disrupts Cholinergic Anti-Inflammatory Processes: A Role for Cholinergic α 7 Nicotinic Receptors. <i>Journal of Neuroscience</i> , 2011, 31, 3446-3452.	1.7	52
50	Quantitative estimation of nerve fiber engagement by vagus nerve stimulation using physiological markers. <i>Brain Stimulation</i> , 2020, 13, 1617-1630.	0.7	52
51	Anticancer Effects of the Nitric Oxide-Modified Saquinavir Derivative Saquinavir-NO against Multidrug-Resistant Cancer Cells. <i>Neoplasia</i> , 2010, 12, 1023-IN17.	2.3	51
52	Identification of Igaratimod as an Inhibitor of Macrophage Migration Inhibitory Factor (MIF) with Steroid-sparing Potential. <i>Journal of Biological Chemistry</i> , 2016, 291, 26502-26514.	1.6	50
53	Connexin 43 Hemichannel as a Novel Mediator of Sterile and Infectious Inflammatory Diseases. <i>Scientific Reports</i> , 2018, 8, 166.	1.6	50
54	Exploring the biological functional mechanism of the HMGB1/TLR4/MD-2 complex by surface plasmon resonance. <i>Molecular Medicine</i> , 2018, 24, 21.	1.9	50

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55	ISO-1, a Macrophage Migration Inhibitory Factor Antagonist, Inhibits Airway Remodeling in a Murine Model of Chronic Asthma. <i>Molecular Medicine</i> , 2010, 16, 400-408.	1.9	49
56	Adenylyl Cyclase 6 Mediates Inhibition of TNF in the Inflammatory Reflex. <i>Frontiers in Immunology</i> , 2018, 9, 2648.	2.2	49
57	Evidence supporting the use of peptides and peptidomimetics as potential SARS-CoV-2 (COVID-19) therapeutics. <i>Future Medicinal Chemistry</i> , 2020, 12, 1647-1656.	1.1	49
58	Inhibition of IRF5 hyperactivation protects from lupus onset and severity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6700-6717.	3.9	48
59	Correcting Smad1/5/8, mTOR, and VEGFR2 treats pathology in hereditary hemorrhagic telangiectasia models. <i>Journal of Clinical Investigation</i> , 2020, 130, 942-957.	3.9	48
60	Alternative Chemical Modifications Reverse the Binding Orientation of a Pharmacophore Scaffold in the Active Site of Macrophage Migration Inhibitory Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 23089-23095.	1.6	47
61	In vitro and in vivo anticancer action of Saquinavir-NO, a novel nitric oxide-derivative of the protease inhibitor saquinavir, on hormone resistant prostate cancer cells. <i>Cell Cycle</i> , 2011, 10, 492-499.	1.3	47
62	Key role of MIF-related neuroinflammation in neurodegeneration and cognitive impairment in Alzheimer's disease. <i>Molecular Medicine</i> , 2020, 26, 34.	1.9	46
63	Critical modifications of the ISO-1 scaffold improve its potent inhibition of macrophage migration inhibitory factor (MIF) tautomerase activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3376-3379.	1.0	44
64	Intrathecal injection of an alpha seven nicotinic acetylcholine receptor agonist attenuates gp120-induced mechanical allodynia and spinal pro-inflammatory cytokine profiles in rats. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 959-967.	2.0	44
65	Thyroxine is a potential endogenous antagonist of macrophage migration inhibitory factor (MIF) activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8224-8227.	3.3	41
66	Lopinavir-NO, a nitric oxide-releasing HIV protease inhibitor, suppresses the growth of melanoma cells in vitro and in vivo. <i>Investigational New Drugs</i> , 2019, 37, 1014-1028.	1.2	41
67	Extracellular microRNA-130b inhibits eCIRP-induced inflammation. <i>EMBO Reports</i> , 2020, 21, e48075.	2.0	40
68	Macrophage Migration Inhibitory Factor Antagonist Blocks the Development of Endometriosis In Vivo. <i>PLoS ONE</i> , 2012, 7, e37264.	1.1	39
69	Endogenous retroviruses are associated with hippocampus-based memory impairment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25982-25990.	3.3	39
70	Efficient Scavenging of Fatty Acid Oxidation Products by Aminoguanidine. <i>Chemical Research in Toxicology</i> , 1997, 10, 875-879.	1.7	38
71	The antitumor properties of a nontoxic, nitric oxide-modified version of saquinavir are independent of Akt. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1169-1178.	1.9	38
72	Anticancer and Differentiation Properties of the Nitric Oxide Derivative of Lopinavir in Human Glioblastoma Cells. <i>Molecules</i> , 2018, 23, 2463.	1.7	36

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73	Total Synthesis of Carba-d-fructofuranose via a Novel Metathesis Reaction. <i>Organic Letters</i> , 1999, 1, 1463-1465.	2.4	35
74	Anodal block permits directional vagus nerve stimulation. <i>Scientific Reports</i> , 2020, 10, 9221.	1.6	34
75	The cation channel Trpv2 is a new suppressor of arthritis severity, joint damage, and synovial fibroblast invasion. <i>Clinical Immunology</i> , 2015, 158, 183-192.	1.4	33
76	[11] Advanced glycation end products: Detection and reversal. <i>Methods in Enzymology</i> , 1999, 309, 152-172.	0.4	32
77	Studies directed toward the synthesis of carba-d-arabinofuranose. <i>Tetrahedron Letters</i> , 2000, 41, 7801-7803.	0.7	32
78	A Potent Immunomodulatory Compound, (S,R)-3-Phenyl-4,5-dihydro-5-isoxazole Acetic Acid, Prevents Spontaneous and Accelerated Forms of Autoimmune Diabetes in NOD Mice and Inhibits the Immunoinflammatory Diabetes Induced by Multiple Low Doses of Streptozotocin in CBA/H Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 1038-1049.	1.3	32
79	DNA-Mediated Interferon Signature Induction by SLE Serum Occurs in Monocytes Through Two Pathways: A Mechanism to Inhibit Both Pathways. <i>Frontiers in Immunology</i> , 2018, 9, 2824.	2.2	32
80	Chemical Constituents of the Flora of Jordan, Part V-B. Three New Arylnaphthalene Lignan Glucosides from <i>Haplophyllum buxbaumii</i> . <i>Journal of Natural Products</i> , 1990, 53, 1152-1161.	1.5	31
81	Identification of Pharmacological Modulators of HMGB1-Induced Inflammatory Response by Cell-Based Screening. <i>PLoS ONE</i> , 2013, 8, e65994.	1.1	31
82	The polyhydroxy cyclopentene, a total synthesis of (-)-pentenomycin. <i>Tetrahedron Letters</i> , 2000, 41, 4291-4293.	0.7	30
83	Cytotoxic and immune-sensitizing properties of nitric oxide-modified saquinavir in iNOS-positive human melanoma cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 1803-1812.	2.0	30
84	Cathepsin L Promotes Vascular Intimal Hyperplasia after Arterial Injury. <i>Molecular Medicine</i> , 2017, 23, 92-100.	1.9	29
85	Hydroxyalkenal Formation Induced by Advanced Glycosylation of Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 1996, 271, 2892-2896.	1.6	28
86	Structure of a Synthetic Glucose Derived Advanced Glycation End Product That Is Immunologically Cross-Reactive with Its Naturally Occurring Counterparts. <i>Bioconjugate Chemistry</i> , 2000, 11, 39-45.	1.8	28
87	Therapeutic Potential of Nitric Oxide-Modified Drugs in Colon Cancer Cells. <i>Molecular Pharmacology</i> , 2012, 82, 700-710.	1.0	28
88	Activation of the cholinergic anti-inflammatory pathway by GTS-21 attenuates cisplatin-induced acute kidney injury in mice. <i>PLoS ONE</i> , 2017, 12, e0188797.	1.1	28
89	Development and characterization of a chronic implant mouse model for vagus nerve stimulation. <i>ELife</i> , 2021, 10, .	2.8	28
90	Stereoselective synthesis of $\hat{2}$ -oxy- and $\hat{1}\pm$ -methylene- $\hat{3}$ -butyrolactones on pyranose templates. <i>Tetrahedron</i> , 1993, 49, 9295-9306.	1.0	26

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91	Novel nitric oxide-donating compound (S,R)-3-phenyl-4,5-dihydro-5-isoxazole acetic acid—nitric oxide (GIT-27NO) induces p53 mediated apoptosis in human A375 melanoma cells. Nitric Oxide - Biology and Chemistry, 2008, 19, 177-183.	1.2	26
92	Synthesis of polyfunctionalized bis-annulated pyranosides: Useful intermediates for triquinane synthesis. Tetrahedron Letters, 1994, 35, 8581-8582.	0.7	25
93	N ^μ -carboxymethyllysine formation by direct addition of glyoxal to lysine during the Maillard reaction. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 2161-2162.	1.0	25
94	MACROPHAGE MIGRATION INHIBITORY FACTOR WITHIN THE ALVEOLAR SPACES INDUCES CHANGES IN THE HEART DURING LATE EXPERIMENTAL SEPSIS. Shock, 2005, 24, 556-563.	1.0	25
95	Macrophage migration inhibitory factor induces cardiomyocyte apoptosis. Biochemical and Biophysical Research Communications, 2008, 371, 298-303.	1.0	25
96	The Role of CNI-1493 in the Function of Primary Microglia with Respect to Amyloid- β . Journal of Alzheimer's Disease, 2011, 26, 69-80.	1.2	25
97	ISO-66, a novel inhibitor of macrophage migration inhibitory factor, shows efficacy in melanoma and colon cancer models. International Journal of Oncology, 2014, 45, 1457-1468.	1.4	25
98	Redox modifications of cysteine residues regulate the cytokine activity of HMGB1. Molecular Medicine, 2021, 27, 58.	1.9	25
99	Sequestering HMGB1 via DNA-Conjugated Beads Ameliorates Murine Colitis. PLoS ONE, 2014, 9, e103992.	1.1	24
100	β 2-spectrin (SPTBN1) as a therapeutic target for diet-induced liver disease and preventing cancer development. Science Translational Medicine, 2021, 13, eabk2267.	5.8	23
101	4-O-TfO-2,3-anhydro- β -L-ribofuranosides as chiron: A formal synthesis of canadensolide. Tetrahedron Letters, 1996, 37, 8641-8642.	0.7	21
102	CNI-1493 inhibits A β production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. Journal of Experimental Medicine, 2008, 205, 1593-1599.	4.2	21
103	Therapeutic Targeting of High-Mobility Group Box-1 in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1566-1569.	2.5	21
104	A fully implantable wireless bidirectional neuromodulation system for mice. Biosensors and Bioelectronics, 2022, 200, 113886.	5.3	21
105	Novel modifications of N ^ε -boc-arginine and N ^ε -CBZ-lysine by methylglyoxal. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 1577-1578.	1.0	20
106	Lung-Derived Macrophage Migration Inhibitory Factor in Sepsis Induces Cardio-Circulatory Depression. Surgical Infections, 2007, 8, 29-40.	0.7	20
107	Structural Basis and Targeting of the Interaction between Fibroblast Growth Factor-inducible 14 and Tumor Necrosis Factor-like Weak Inducer of Apoptosis. Journal of Biological Chemistry, 2013, 288, 32261-32276.	1.6	20
108	Imbalance in Seminal Fluid MIF Indicates Male Infertility. Molecular Medicine, 2007, 13, 199-202.	1.9	19

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109	Effects of NO-Hybridization on the Immunomodulatory Properties of the HIV Protease Inhibitors Lopinavir and Ritonavir. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 306-315.	1.2	19
110	Unique antineoplastic profile of Saquinavir-NO, a novel NO-derivative of the protease inhibitor Saquinavir, on the in vitro and in vivo tumor formation of A375 human melanoma cells. <i>Oncology Reports</i> , 2012, 28, 682-688.	1.2	18
111	Elaborate ligand-based modeling reveal new migration inhibitory factor inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 42, 104-114.	1.3	18
112	Senescence as a main mechanism of Ritonavir and Ritonavir-NO action against melanoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 1362-1375.	1.3	18
113	Implant- and anesthesia-related factors affecting cardiopulmonary threshold intensities for vagus nerve stimulation. <i>Journal of Neural Engineering</i> , 2021, 18, 046075.	1.8	18
114	Enol Triflate Pyranoses, Versatile Reagents for the Formation of Conjugated Systems on Pyranoses. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1499-1501.	4.4	17
115	Hydroformylation of cyclopentenes, novel strategy for total synthesis of carba- d -fructofuranose. <i>Tetrahedron Letters</i> , 2002, 43, 1793-1795.	0.7	17
116	The HIV Protease Inhibitor Saquinavir Inhibits HMGB1-Driven Inflammation by Targeting the Interaction of Cathepsin V with TLR4/MyD88. <i>Molecular Medicine</i> , 2015, 21, 749-757.	1.9	17
117	Mechanistic insights into high mobility group box-1 (HMGB1)-induced Toll-like receptor 4 (TLR4) dimer formation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3721-3730.	2.0	17
118	Detoxification of Methylglyoxal by the Nucleophilic Bidentate, Phenylacetylthiazolium Bromide. <i>Chemical Research in Toxicology</i> , 1999, 12, 617-622.	1.7	15
119	An enantioselective approach to trehazolin: a concise and efficient synthesis of the aminocyclopentitol core. <i>Tetrahedron Letters</i> , 2001, 42, 1471-1473.	0.7	15
120	Inhibition of HIV-1 nuclear import via schiff base formation with arylene bis(methylketone) compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3117-3119.	1.0	15
121	The Macrophage Inhibitor CNI-1493 Blocks Metastasis in a Mouse Model of Ewing Sarcoma through Inhibition of Extravasation. <i>PLoS ONE</i> , 2015, 10, e0145197.	1.1	15
122	Folic acid derived-P5779 mimetics regulate DAMP-mediated inflammation through disruption of HMGB1:TLR4:MD-2 axes. <i>PLoS ONE</i> , 2018, 13, e0193028.	1.1	15
123	Pulmonary arterial hypertension: the case for a bioelectronic treatment. <i>Bioelectronic Medicine</i> , 2019, 5, 20.	1.0	15
124	Expeditious entries to chiral furanoids via pyranose annulation. <i>Tetrahedron Letters</i> , 1993, 34, 7717-7720.	0.7	14
125	Pyridinium Ions Adjacent to Oxirane Rings: Useful Intermediates for the Stereospecific Synthesis of α^2 -Hydroxy Ketones. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 523-524.	4.4	14
126	Saquinavir-NO-targeted S6 protein mediates sensitivity of androgen-dependent prostate cancer cells to TRAIL. <i>Cell Cycle</i> , 2012, 11, 1174-1182.	1.3	14

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127	A aryl-naphthalene lignan from <i>Haplophyllum buxbaumii</i> . <i>Phytochemistry</i> , 1998, 49, 1779-1781.	1.4	13
128	Amending HIV Drugs: A Novel Small-Molecule Approach To Target Lupus Anti-DNA Antibodies. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8859-8867.	2.9	13
129	Pharmacological Inhibition of the Protein Kinase MRK/ZAK Radiosensitizes Medulloblastoma. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1799-1808.	1.9	13
130	Cholinergic anti-inflammatory pathway activity in dialysis patients: a role for neuroimmunomodulation?. <i>CKJ: Clinical Kidney Journal</i> , 2015, 8, 599-605.	1.4	12
131	CNI-1493 Attenuates Neuroinflammation and Dopaminergic Neurodegeneration in the Acute MPTP Mouse Model of Parkinson's Disease. <i>Neurodegenerative Diseases</i> , 2013, 12, 103-110.	0.8	11
132	Novel inhibitors of macrophage migration inhibitory factor prevent cytokine-induced beta cell death. <i>European Journal of Pharmacology</i> , 2014, 740, 683-689.	1.7	11
133	Semapimod Sensitizes Glioblastoma Tumors to Ionizing Radiation by Targeting Microglia. <i>PLoS ONE</i> , 2014, 9, e95885.	1.1	11
134	Platinum and Palladium Complexes Bearing New (1R,2R)-(-)-1,2-Diaminocyclohexane (DACH)-Based Nitrogen Ligands: Evaluation of the Complexes Against L1210 Leukemia. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2655-2658.	0.6	10
135	Induction of caspase-independent apoptotic-like cell death of mouse mammary tumor TA3Ha cells in vitro and reduction of their lethality in vivo by the novel chemotherapeutic agent GIT-27NO. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1090-1099.	1.3	10
136	Let Sleeping Patients Lie, avoiding unnecessary overnight vitals monitoring using a clinically based deep-learning model. <i>Npj Digital Medicine</i> , 2020, 3, 149.	5.7	10
137	Inhibition of macrophage migration inhibitory factor reduces endometriotic implant size in mice with experimentally induced disease. <i>Journal of Endometriosis</i> , 2011, 3, 135-142.	1.0	10
138	Model studies of the maillard reaction of Arg-Lys with D-ribose. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 2929-2930.	1.0	9
139	A stereospecific synthesis of tetra-substituted chiral piperazines. <i>Tetrahedron Letters</i> , 1998, 39, 7703-7704.	0.7	9
140	The new and less toxic protease inhibitor saquinavirâ€œNO maintains anti-HIV-1 properties in vitro indistinguishable from those of the parental compound saquinavir. <i>Antiviral Research</i> , 2011, 91, 292-295.	1.9	9
141	Effects of novel muscarinic M3 receptor ligand C1213 in pulmonary arterial hypertension models. <i>Physiological Reports</i> , 2016, 4, e13069.	0.7	9
142	The challenges of modulating the â€œrest and digestâ€™ system: acetylcholine receptors as drug targets. <i>Drug Discovery Today</i> , 2017, 22, 97-104.	3.2	9
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