

# Robbert H Cool

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

652  
citations

759233

12  
h-index

713466

21  
g-index

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all docs

21  
docs citations

21  
times ranked

873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed tumor necrosis factor-related apoptosis-inducing ligand variants initiating apoptosis exclusively via the DR5 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8634-8639.	7.1	151
2	Role of PvdQ in Pseudomonas aeruginosa virulence under iron-limiting conditions. Microbiology (United Kingdom), 2010, 156, 49-59.	1.8	100
3	PA0305 of Pseudomonas aeruginosa is a quorum quenching acylhomoserine lactone acylase belonging to the Ntn hydrolase superfamily. Microbiology (United Kingdom), 2011, 157, 2042-2055.	1.8	84
4	DR4-selective Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Variants Obtained by Structure-based Design. Journal of Biological Chemistry, 2008, 283, 20560-20568.	3.4	56
5	Small-molecule inhibitors of macrophage migration inhibitory factor (MIF) as an emerging class of therapeutics for immune disorders. Drug Discovery Today, 2018, 23, 1910-1918.	6.4	41
6	PvdP Is a Tyrosinase That Drives Maturation of the Pyoverdine Chromophore in Pseudomonas aeruginosa. Journal of Bacteriology, 2014, 196, 2681-2690.	2.2	39
7	Unraveling the Binding Mechanism of Trivalent Tumor Necrosis Factor Ligands and Their Receptors. Molecular and Cellular Proteomics, 2011, 10, M110.002808.	3.8	24
8	D-dopachrome tautomerase contributes to lung epithelial repair via atypical chemokine receptor 3-dependent Akt signaling. EBioMedicine, 2021, 68, 103412.	6.1	22
9	Proteolysis Targeting Chimera (PROTAC) for Macrophage Migration Inhibitory Factor (MIF) Has Anti-proliferative Activity in Lung Cancer Cells. Angewandte Chemie - International Edition, 2021, 60, 17514-17521.	13.8	22
10	7-Hydroxycoumarins Are Affinity-Based Fluorescent Probes for Competitive Binding Studies of Macrophage Migration Inhibitory Factor. Journal of Medicinal Chemistry, 2020, 63, 11920-11933.	6.4	17
11	Receptor-specific TRAIL as a means to achieve targeted elimination of activated hepatic stellate cells. Journal of Drug Targeting, 2017, 25, 360-369.	4.4	14
12	Thieno[2,3-d]pyrimidine-2,4(1H,3H)-dione Derivative Inhibits Dopachrome Tautomerase Activity and Suppresses the Proliferation of Non-Small Cell Lung Cancer Cells. Journal of Medicinal Chemistry, 2022, 65, 2059-2077.	6.4	14
13	Heightened JNK Activation and Reduced XIAP Levels Promote TRAIL and Sunitinib-Mediated Apoptosis in Colon Cancer Models. Cancers, 2019, 11, 895.	3.7	12
14	Creation of RANKL mutants with low affinity for decoy receptor OPG and their potential anti-fibrosis activity. FEBS Journal, 2019, 286, 3582-3593.	4.7	11
15	Novel RANKL DE-loop mutants antagonize RANK-mediated osteoclastogenesis. FEBS Journal, 2017, 284, 2501-2512.	4.7	10
16	Cross-kingdom mimicry of the receptor signaling and leukocyte recruitment activity of a human cytokine by its plant orthologs. Journal of Biological Chemistry, 2020, 295, 850-867.	3.4	9
17	Discovery of chromenes as inhibitors of macrophage migration inhibitory factor. Bioorganic and Medicinal Chemistry, 2018, 26, 999-1005.	3.0	8
18	High yield production of human invariant chain CD74 constructs fused to solubility-enhancing peptides and characterization of their MIF-binding capacities. Protein Expression and Purification, 2018, 148, 46-53.	1.3	6

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19	Cross-kingdom mimicry of the receptor signaling and leukocyte recruitment activity of a human cytokine by its plant orthologs. <i>Journal of Biological Chemistry</i> , 2020, 295, 850-867.	3.4	5
20	4-iodopyrimidine Labeling Reveals Nuclear Translocation and Nuclease Activity for Both MIF and MIF2**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
21	Proteolysis Targeting Chimera (PROTAC) for Macrophage Migration Inhibitory Factor (MIF) Has Anti-proliferative Activity in Lung Cancer Cells. <i>Angewandte Chemie</i> , 2021, 133, 17655-17662.	2.0	3