

Matthew A Cooper

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

314
papers

19,337
citations

67
h-index

130
g-index

348
ext. papers

23,669
ext. citations

7.6
avg, IF

7.1
L-index

#	Paper	IF	Citations
314	Inhibition of the master regulator of <i>Listeria monocytogenes</i> virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages.. <i>PLoS Pathogens</i> , 2022 , 18, e1010166	7.6	0
313	Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system.. <i>Nature Communications</i> , 2022 , 13, 260	17.4	1
312	Aim2 suppresses cigarette smoke-induced neutrophil recruitment, neutrophil caspase-1 activation and anti-Ly6G-mediated neutrophil depletion.. <i>Immunology and Cell Biology</i> , 2022 ,	5	2
311	Investigations into the membrane activity of arenicin antimicrobial peptide AA139.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 130156	4	0
310	Interleukin-1 β suppression dampens inflammatory leukocyte production and uptake in atherosclerosis. <i>Cardiovascular Research</i> , 2021 ,	9.9	7
309	Synergy of the Polymyxin-Chloramphenicol Combination against New Delhi Metallo- β -Lactamase-Producing Is Predominately Driven by Chloramphenicol. <i>ACS Infectious Diseases</i> , 2021 , 7, 1584-1595	5.5	1
308	Activity of Vancaptin MCC5145 against Methicillin-Resistant from Periprosthetic Joint Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 ,	5.9	2
307	Pharmacological Inhibition of the Nod-Like Receptor Family Pyrin Domain Containing 3 Inflammasome with MCC950. <i>Pharmacological Reviews</i> , 2021 , 73, 968-1000	22.5	23
306	Human β -defensin-2 suppresses key features of asthma in murine models of allergic airways disease. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 120-131	4.1	8
305	Mesoporous Silica Nanoparticles Improve Oral Delivery of Antitubercular Bicyclic Nitroimidazoles. <i>ACS Biomaterials Science and Engineering</i> , 2021 ,	5.5	7
304	Antitubercular and Antiparasitic 2-Nitroimidazopyrazinones with Improved Potency and Solubility. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 15726-15751	8.3	7
303	How to Stimulate and Facilitate Early Stage Antibiotic Discovery. <i>ACS Infectious Diseases</i> , 2020 , 6, 1302-1304	3.9	9
302	Transcriptomic responses of a New Delhi metallo- β -lactamase-producing <i>Klebsiella pneumoniae</i> isolate to the combination of polymyxin B and chloramphenicol. <i>International Journal of Antimicrobial Agents</i> , 2020 , 56, 106061	14.3	6
301	An amphipathic peptide with antibiotic activity against multidrug-resistant Gram-negative bacteria. <i>Nature Communications</i> , 2020 , 11, 3184	17.4	50
300	Visualization of Bacterial Resistance using Fluorescent Antibiotic Probes. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	1
299	Flow-cytometry detection of fluorescent magnetic nanoparticle clusters increases sensitivity of dengue immunoassay. <i>Analytica Chimica Acta</i> , 2020 , 1107, 85-91	6.6	6
298	Non-canonical Caspase-1 Signaling Drives RIP2-Dependent and TNF- β -Mediated Inflammation In Vivo. <i>Cell Reports</i> , 2020 , 30, 2501-2511.e5	10.6	14

297	Evaluating the genome and resistome of extensively drug-resistant <i>Klebsiella pneumoniae</i> using native DNA and RNA Nanopore sequencing. <i>GigaScience</i> , 2020 , 9,	7.6	13
296	Metal complexes as a promising source for new antibiotics. <i>Chemical Science</i> , 2020 , 11, 2627-2639	9.4	136
295	Oncogenic Kras causes myeloproliferation via NLRP3 inflammasome activation. <i>Nature Communications</i> , 2020 , 11, 1659	17.4	52
294	Discovery of Cephalosporin-3'-Diazeniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020 , 6, 1460-1479	5.5	6
293	Solid-Phase Synthesis of Octapeptin Lipopeptides. <i>Methods in Molecular Biology</i> , 2020 , 2103, 199-213	1.4	1
292	The microglial NLRP3 inflammasome is activated by amyotrophic lateral sclerosis proteins. <i>Glia</i> , 2020 , 68, 407-421	9	66
291	Elucidating the effect of sequence and degree of polymerization on antimicrobial properties for block copolymers. <i>Polymer Chemistry</i> , 2020 , 11, 84-90	4.9	19
290	Light-Activated Rhenium Complexes with Dual Mode of Action against Bacteria. <i>Chemistry - A European Journal</i> , 2020 , 26, 2852-2858	4.8	15
289	Multi-Institution Research and Education Collaboration Identifies New Antimicrobial Compounds. <i>ACS Chemical Biology</i> , 2020 , 15, 3187-3196	4.9	2
288	Acetate protects against intestinal ischemia-reperfusion injury independent of its cognate free fatty acid 2 receptor. <i>FASEB Journal</i> , 2020 , 34, 10418-10430	0.9	5
287	TET2-Loss-of-Function-Driven Clonal Hematopoiesis Exacerbates Experimental Insulin Resistance in Aging and Obesity. <i>Cell Reports</i> , 2020 , 33, 108326	10.6	35
286	Fluorescent macrolide probes - synthesis and use in evaluation of bacterial resistance. <i>RSC Chemical Biology</i> , 2020 , 1, 395-404	3	12
285	NLRP3 Inflammasome Inhibition by MCC950 in Aged Mice Improves Health via Enhanced Autophagy and PPAR α Activity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1457-1464	6.4	23
284	Targeting the NLRP3 Inflammasome With Inhibitor MCC950 Prevents Aortic Aneurysms and Dissections in Mice. <i>Journal of the American Heart Association</i> , 2020 , 9, e014044	6	37
283	Danger-associated extracellular ATP counters MDSC therapeutic efficacy in acute GVHD. <i>Blood</i> , 2019 , 134, 1670-1682	2.2	33
282	Structure-Function Studies of Polymyxin B Liponapeptides. <i>Molecules</i> , 2019 , 24,	4.8	14
281	Fluoroquinolone-derived fluorescent probes for studies of bacterial penetration and efflux. <i>MedChemComm</i> , 2019 , 10, 901-906	5	14
280	Elucidating the Lipid Binding Properties of Membrane-Active Peptides Using Cyclised Nanodiscs. <i>Frontiers in Chemistry</i> , 2019 , 7, 238	5	10

279	In vitro Antimicrobial Activity of Acne Drugs Against Skin-Associated Bacteria. <i>Scientific Reports</i> , 2019 , 9, 14658	4.9	23
278	Antibiotic-derived molecular probes for bacterial imaging 2019 ,		2
277	Quantitation of Purines from Pigeon Guano and Implications for <i>Cryptococcus neoformans</i> Survival During Infection. <i>Mycopathologia</i> , 2019 , 184, 273-281	2.9	3
276	An optimised Cu(0)-RDRP approach for the synthesis of lipidated oligomeric vinyl azlactone: toward a versatile antimicrobial materials screening platform. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 6796-6809	7.3	8
275	Octapeptin C4 and polymyxin resistance occur via distinct pathways in an epidemic XDR <i>Klebsiella pneumoniae</i> ST258 isolate. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 582-593	5.1	11
274	Effects of Microplate Type and Broth Additives on Microdilution MIC Susceptibility Assays. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	25
273	The Eagle Effect and Antibiotic-Induced Persistence: Two Sides of the Same Coin?. <i>Trends in Microbiology</i> , 2019 , 27, 339-354	12.4	23
272	Pharmacological inhibition of the NLRP3 inflammasome reduces blood pressure, renal damage, and dysfunction in salt-sensitive hypertension. <i>Cardiovascular Research</i> , 2019 , 115, 776-787	9.9	95
271	Tet2-Mediated Clonal Hematopoiesis Accelerates Heart Failure Through a Mechanism Involving the IL-1/NLRP3 Inflammasome. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 875-886	15.1	252
270	Fluorescent Antibiotics: New Research Tools to Fight Antibiotic Resistance. <i>Trends in Biotechnology</i> , 2018 , 36, 523-536	15.1	63
269	The NLRP3 Inflammasome Suppresses Protective Immunity to Gastrointestinal Helminth Infection. <i>Cell Reports</i> , 2018 , 23, 1085-1098	10.6	27
268	Multiple inflammasomes may regulate the interleukin-1-driven inflammation in protracted bacterial bronchitis. <i>ERJ Open Research</i> , 2018 , 4,	3.5	9
267	Structure, Function, and Biosynthetic Origin of Octapeptin Antibiotics Active against Extensively Drug-Resistant Gram-Negative Bacteria. <i>Cell Chemical Biology</i> , 2018 , 25, 380-391.e5	8.2	44
266	Developments in Glycopeptide Antibiotics. <i>ACS Infectious Diseases</i> , 2018 , 4, 715-735	5.5	112
265	Synthesis of deuterium-labelled analogues of NLRP3 inflammasome inhibitor MCC950. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 793-795	2.9	5
264	Structural and Functional Characterization of a Cross-Reactive Dengue Virus Neutralizing Antibody that Recognizes a Cryptic Epitope. <i>Structure</i> , 2018 , 26, 51-59.e4	5.2	29
263	Protein-inspired antibiotics active against vancomycin- and daptomycin-resistant bacteria. <i>Nature Communications</i> , 2018 , 9, 22	17.4	73
262	A nanoparticle-based method for culture-free bacterial DNA enrichment from whole blood. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 150-155	11.8	16

261	A template guided approach to generating cell permeable inhibitors of Staphylococcus aureus biotin protein ligase. <i>Tetrahedron</i> , 2018 , 74, 1175-1183	2.4	3
260	Pharmacological inhibition of the NLRP3 inflammasome as a potential target for multiple sclerosis induced central neuropathic pain. <i>Inflammopharmacology</i> , 2018 , 26, 77-86	5.1	32
259	CD8 lineage dendritic cells determine adaptive immune responses to inflammasome activation upon sterile skin injury. <i>Experimental Dermatology</i> , 2018 , 27, 71-79	4	6
258	Detection and Investigation of Eagle Effect Resistance to Vancomycin in With an ATP-Bioluminescence Assay. <i>Frontiers in Microbiology</i> , 2018 , 9, 1420	5.7	12
257	Can octapeptin antibiotics combat extensively drug-resistant (XDR) bacteria?. <i>Expert Review of Anti-Infective Therapy</i> , 2018 , 16, 485-499	5.5	11
256	An optimized whole blood assay measuring expression and activity of NLRP3, NLRC4 and AIM2 inflammasomes. <i>Clinical Immunology</i> , 2018 , 191, 100-109	9	6
255	Antimicrobial Octapeptin C4 Analogues Active against Cryptococcus Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	5
254	Multifactorial chromosomal variants regulate polymyxin resistance in extensively drug-resistant Klebsiella pneumoniae. <i>Microbial Genomics</i> , 2018 , 4,	4.4	28
253	Design, Synthesis, and Biological Evaluation of 2-Nitroimidazopyrazin-one/-es with Antitubercular and Antiparasitic Activity. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 11349-11371	8.3	12
252	Characterisation of small molecule ligands 4CMTB and 2CTAP as modulators of human FFA2 receptor signalling. <i>Scientific Reports</i> , 2018 , 8, 17819	4.9	4
251	Norbornane-based cationic antimicrobial peptidomimetics targeting the bacterial membrane. <i>European Journal of Medicinal Chemistry</i> , 2018 , 160, 9-22	6.8	12
250	Exploiting Macromolecular Design To Optimize the Antibacterial Activity of Alkylated Cationic Oligomers. <i>Biomacromolecules</i> , 2018 , 19, 4629-4640	6.9	12
249	The Small Molecule NLRP3 Inflammasome Inhibitor MCC950 Does Not Alter Wound Healing in Obese Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
248	Inflammasome inhibition prevents β -synuclein pathology and dopaminergic neurodegeneration in mice. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	286
247	Antifungal benzo[b]thiophene 1,1-dioxide IMPDH inhibitors exhibit pan-assay interference (PAINS) profiles. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 5408-5419	3.4	6
246	Silver bullets: A new lustre on an old antimicrobial agent. <i>Biotechnology Advances</i> , 2018 , 36, 1391-1411	17.8	76
245	Antibiotics in the clinical pipeline at the end of 2015. <i>Journal of Antibiotics</i> , 2017 , 70, 3-24	3.7	226
244	Clonal hematopoiesis associated with TET2 deficiency accelerates atherosclerosis development in mice. <i>Science</i> , 2017 , 355, 842-847	33.3	602

243	Role of the NLRP3 inflammasome in a model of acute burn-induced pain. <i>Burns</i> , 2017 , 43, 304-309	2.3	18
242	Small-Molecule Inhibitors of the SOX18 Transcription Factor. <i>Cell Chemical Biology</i> , 2017 , 24, 346-359	8.2	28
241	Plasma Protein Binding Structure-Activity Relationships Related to the N-Terminus of Daptomycin. <i>ACS Infectious Diseases</i> , 2017 , 3, 249-258	5.5	13
240	GMP Synthase Is Required for Virulence Factor Production and Infection by. <i>Journal of Biological Chemistry</i> , 2017 , 292, 3049-3059	5.4	13
239	Inflammasomes in the lung. <i>Molecular Immunology</i> , 2017 , 86, 44-55	4.3	85
238	Scaffolding and completing genome assemblies in real-time with nanopore sequencing. <i>Nature Communications</i> , 2017 , 8, 14515	17.4	72
237	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. <i>Australian Journal of Chemistry</i> , 2017 , 70, 162	1.2	6
236	Surface mediated cooperative interactions of drugs enhance mechanical forces for antibiotic action. <i>Scientific Reports</i> , 2017 , 7, 41206	4.9	7
235	NLRP3 inflammasome blockade reduces liver inflammation and fibrosis in experimental NASH in mice. <i>Journal of Hepatology</i> , 2017 , 66, 1037-1046	13.4	432
234	Antibacterial Nerol Cinnamates from the Australian Plant <i>Eremophila longifolia</i> . <i>Journal of Natural Products</i> , 2017 , 80, 1178-1181	4.9	8
233	Role for NLRP3 Inflammasome-mediated, IL-1 β Dependent Responses in Severe, Steroid-Resistant Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 283-297	10.2	206
232	EMyrtoxin-Mp1a is a Helical Heterodimer from the Venom of the Jack Jumper Ant that has Antimicrobial, Membrane-Disrupting, and Nociceptive Activities. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8495-8499	16.4	21
231	Synthesis of octapeptin C4 and biological profiling against NDM-1 and polymyxin-resistant bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 2407-2409	2.9	14
230	Myeloid-derived miR-223 regulates intestinal inflammation via repression of the NLRP3 inflammasome. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1737-1752	16.6	205
229	Nitroimidazoles: Molecular Fireworks That Combat a Broad Spectrum of Infectious Diseases. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7636-7657	8.3	73
228	ADS lyase is an enzyme essential for virulence whose crystal structure reveals features exploitable in antifungal drug design. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11829-11839	5.4	9
227	Increased Endovascular <i>Staphylococcus aureus</i> Inoculum Is the Link Between Elevated Serum Interleukin 10 Concentrations and Mortality in Patients With Bacteremia. <i>Clinical Infectious Diseases</i> , 2017 , 64, 1406-1412	11.6	32
226	Inhibiting the NLRP3 inflammasome with MCC950 promotes non-phlogistic clearance of amyloid- β and cognitive function in APP/PS1 mice. <i>Brain, Behavior, and Immunity</i> , 2017 , 61, 306-316	16.6	242

225	PB1-F2 Peptide Derived from Avian Influenza A Virus H7N9 Induces Inflammation via Activation of the NLRP3 Inflammasome. <i>Journal of Biological Chemistry</i> , 2017 , 292, 826-836	5.4	53
224	From Breast Cancer to Antimicrobial: Combating Extremely Resistant Gram-Negative "Superbugs" Using Novel Combinations of Polymyxin B with Selective Estrogen Receptor Modulators. <i>Microbial Drug Resistance</i> , 2017 , 23, 640-650	2.9	32
223	Surface Ligand Density of Antibiotic-Nanoparticle Conjugates Enhances Target Avidity and Membrane Permeabilization of Vancomycin-Resistant Bacteria. <i>Bioconjugate Chemistry</i> , 2017 , 28, 353-361	6.3	17
222	Cationic Acrylate Oligomers Comprising Amino Acid Mimic Moieties Demonstrate Improved Antibacterial Killing Efficiency. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 531-536	7.3	32
221	Enhancement of antibiotic-activity through complexation with metal ions - Combined ITC, NMR, enzymatic and biological studies. <i>Journal of Inorganic Biochemistry</i> , 2017 , 167, 134-141	4.2	24
220	Structure-Activity and -Toxicity Relationships of the Antimicrobial Peptide Tachyplesin-1. <i>ACS Infectious Diseases</i> , 2017 , 3, 917-926	5.5	47
219	Polishing the tarnished silver bullet: the quest for new antibiotics. <i>Essays in Biochemistry</i> , 2017 , 61, 103-114	1.4	30
218	The selective NLRP3-inflammasome inhibitor MCC950 reduces infarct size and preserves cardiac function in a pig model of myocardial infarction. <i>European Heart Journal</i> , 2017 , 38, 828-836	9.5	174
217	Specific inhibition of NLRP3 in chikungunya disease reveals a role for inflammasomes in alphavirus-induced inflammation. <i>Nature Microbiology</i> , 2017 , 2, 1435-1445	26.6	54
216	Sulfonylureas as Concomitant Insulin Secretagogues and NLRP3 Inflammasome Inhibitors. <i>ChemMedChem</i> , 2017 , 12, 1449-1457	3.7	32
215	Redesigned Spider Peptide with Improved Antimicrobial and Anticancer Properties. <i>ACS Chemical Biology</i> , 2017 , 12, 2324-2334	4.9	27
214	Investigating the Interaction of Octapeptin A3 with Model Bacterial Membranes. <i>ACS Infectious Diseases</i> , 2017 , 3, 606-619	5.5	20
213	Emerging pathogenic links between microbiota and the gut-lung axis. <i>Nature Reviews Microbiology</i> , 2017 , 15, 55-63	22.2	579
212	NLRP3-inflammasome inhibition prevents high fat and high sugar diets-induced heart damage through autophagy induction. <i>Oncotarget</i> , 2017 , 8, 99740-99756	3.3	37
211	The Growing Influence of Nanotechnology in Our Lives 2017 , 1-20		4
210	Pressor response to angiotensin II is enhanced in aged mice and associated with inflammation, vasoconstriction and oxidative stress. <i>Aging</i> , 2017 , 9, 1595-1606	5.6	35
209	Pharmacological targeting of the transcription factor SOX18 delays breast cancer in mice. <i>ELife</i> , 2017 , 6,	8.9	32
208	Does the Sauerbrey equation hold true for binding of peptides and globular proteins to a QCM?. <i>Sensing and Bio-Sensing Research</i> , 2016 , 11, 71-77	3.3	6

207	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4(+) T Cell Immunity. <i>Immunity</i> , 2016 , 45, 333-45	32.3	73
206	Disruption of de Novo Adenosine Triphosphate (ATP) Biosynthesis Abolishes Virulence in <i>Cryptococcus neoformans</i> . <i>ACS Infectious Diseases</i> , 2016 , 2, 651-663	5.5	13
205	Semi-synthesis and NMR spectral assignments of flavonoid and chalcone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2016 , 54, 880-886	2.1	5
204	Reassessing the role of the NLRP3 inflammasome during pathogenic influenza A virus infection via temporal inhibition. <i>Scientific Reports</i> , 2016 , 6, 27912	4.9	99
203	IL-1 β is an innate immune sensor of microbial proteolysis. <i>Science Immunology</i> , 2016 , 1,	28	73
202	Streaming algorithms for identification of pathogens and antibiotic resistance potential from real-time MinION(TM) sequencing. <i>GigaScience</i> , 2016 , 5, 32	7.6	58
201	Old dogs and new tricks in antimicrobial discovery. <i>Current Opinion in Microbiology</i> , 2016 , 33, 25-34	7.9	12
200	An "Unlikely" Pair: The Antimicrobial Synergy of Polymyxin B in Combination with the Cystic Fibrosis Transmembrane Conductance Regulator Drugs KALYDECO and ORKAMBI. <i>ACS Infectious Diseases</i> , 2016 , 2, 478-88	5.5	57
199	T helper 1 immunity requires complement-driven NLRP3 inflammasome activity in CD4+ T cells. <i>Science</i> , 2016 , 352, aad1210	33.3	268
198	Strain- and host species-specific inflammasome activation, IL-1 β release, and cell death in macrophages infected with uropathogenic <i>Escherichia coli</i> . <i>Mucosal Immunology</i> , 2016 , 9, 124-36	9.2	57
197	Antibacterial Low Molecular Weight Cationic Polymers: Dissecting the Contribution of Hydrophobicity, Chain Length and Charge to Activity. <i>RSC Advances</i> , 2016 , 6, 15469-15477	3.7	50
196	Activity and Predicted Nephrotoxicity of Synthetic Antibiotics Based on Polymyxin B. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 1068-77	8.3	73
195	Realtime analysis and visualization of MinION sequencing data with npReader. <i>Bioinformatics</i> , 2016 , 32, 764-6	7.2	22
194	Antibacterial and antifungal screening of natural products sourced from Australian fungi and characterisation of pestalactams D-F. <i>Phytochemistry</i> , 2016 , 124, 79-85	4	11
193	Platinum-based anticancer drugs encapsulated liposome and polymeric micelle formulation in clinical trials. <i>Biochemical Compounds</i> , 2016 , 4, 1		14
192	Complete Genome Sequence of <i>Klebsiella quasipneumoniae</i> subsp. <i>similipneumoniae</i> Strain ATCC 700603. <i>Genome Announcements</i> , 2016 , 4,		19
191	Genomic characterization of the uncultured Bacteroidales family S24-7 inhabiting the guts of homeothermic animals. <i>Microbiome</i> , 2016 , 4, 36	16.6	322
190	Chemical philanthropy: a path forward for antibiotic discovery?. <i>Future Medicinal Chemistry</i> , 2016 , 8, 925-931		18

189	The Endoplasmic Reticulum-Mitochondrion Tether ERMES Orchestrates Fungal Immune Evasion, Illuminating Inflammasome Responses to Hyphal Signals. <i>MSphere</i> , 2016 , 1,	5	31
188	A generic screening platform for inhibitors of virus induced cell fusion using cellular electrical impedance. <i>Scientific Reports</i> , 2016 , 6, 22791	4.9	22
187	The NLRP3 inflammasome functions as a driver of the myelodysplastic syndrome phenotype. <i>Blood</i> , 2016 , 128, 2960-2975	2.2	162
186	Human Monocytes Engage an Alternative Inflammasome Pathway. <i>Immunity</i> , 2016 , 44, 833-46	32.3	389
185	Short cationic lipopeptides as effective antibacterial agents: Design, physicochemical properties and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 2235-41	3.4	23
184	Nitroimidazole carboxamides as antiparasitic agents targeting <i>Giardia lamblia</i> , <i>Entamoeba histolytica</i> and <i>Trichomonas vaginalis</i> . <i>European Journal of Medicinal Chemistry</i> , 2016 , 120, 353-62	6.8	36
183	Contribution of Amphipathicity and Hydrophobicity to the Antimicrobial Activity and Cytotoxicity of Hairpin Peptides. <i>ACS Infectious Diseases</i> , 2016 , 2, 442-450	5.5	119
182	Discovery of functionally selective C5aR2 ligands: novel modulators of C5a signalling. <i>Immunology and Cell Biology</i> , 2016 , 94, 787-95	5	47
181	K Efflux-Independent NLRP3 Inflammasome Activation by Small Molecules Targeting Mitochondria. <i>Immunity</i> , 2016 , 45, 761-773	32.3	219
180	The Plasma Protein Binding Proteome of Ertapenem: A Novel Compound-Centric Proteomic Approach for Elucidating Drug-Plasma Protein Binding Interactions. <i>ACS Chemical Biology</i> , 2016 , 11, 3353-3364 ⁶	4.9	36
179	Identification, Synthesis, and Biological Evaluation of the Major Human Metabolite of NLRP3 Inflammasome Inhibitor MCC950. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 1034-1038	4.3	23
178	Fluorescent Trimethoprim Conjugate Probes To Assess Drug Accumulation in Wild Type and Mutant <i>Escherichia coli</i> . <i>ACS Infectious Diseases</i> , 2016 , 2, 688-701	5.5	31
177	Inflammasome activity is essential for one kidney/deoxycorticosterone acetate/salt-induced hypertension in mice. <i>British Journal of Pharmacology</i> , 2016 , 173, 752-65	8.6	104
176	Facile synthesis of mono- and bis-methylated Fmoc-Dap, -Dab and -Orn amino acids. <i>Chemical Communications</i> , 2015 , 51, 4496-8	5.8	6
175	Conotoxin dendrimers have enhanced potency and selectivity for homomeric nicotinic acetylcholine receptors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3209-12	16.4	28
174	Carbohydrate scaffolds as glycosyltransferase inhibitors with in vivo antibacterial activity. <i>Nature Communications</i> , 2015 , 6, 7719	17.4	24
173	Mucin Binding Reduces Colistin Antimicrobial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 5925-31	5.9	62
172	Metronidazole-triazole conjugates: activity against <i>Clostridium difficile</i> and parasites. <i>European Journal of Medicinal Chemistry</i> , 2015 , 101, 96-102	6.8	38

171	Drug-drug plasma protein binding interactions of ivacaftor. <i>Journal of Molecular Recognition</i> , 2015 , 28, 339-48	2.6	26
170	Ethanol Concentration Influences the Mechanisms of Wine Tannin Interactions with Poly(L-proline) in Model Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4345-52	5.7	28
169	Improved Immunoassay Sensitivity in Serum as a Result of Polymer-Entrapped Quantum Dots: 'Papaya Particles'. <i>Analytical Chemistry</i> , 2015 , 87, 6150-7	7.8	12
168	Synthesis of Norbornane Bisether Antibiotics via Silver-mediated Alkylation. <i>RSC Advances</i> , 2015 , 5, 28582-28596	3.7	16
167	Discovery of novel pneumococcal surface antigen A (PsaA) inhibitors using a fragment-based drug design approach. <i>ACS Chemical Biology</i> , 2015 , 10, 1511-20	4.9	17
166	A new antibiotic with potent activity targets MscL. <i>Journal of Antibiotics</i> , 2015 , 68, 453-62	3.7	34
165	Inflammasomes in COPD and neutrophilic asthma. <i>Thorax</i> , 2015 , 70, 1199-201	7.3	80
164	A community-based approach to new antibiotic discovery. <i>Nature Reviews Drug Discovery</i> , 2015 , 14, 587-84.1	4.1	32
163	Flemingin-Type Prenylated Chalcones from the Sarawak Rainforest Plant <i>Desmodium congestum</i> . <i>Journal of Natural Products</i> , 2015 , 78, 2141-4	4.9	9
162	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. <i>ACS Central Science</i> , 2015 , 1, 328-34	16.8	52
161	Self-assembling lipopeptides with a potent activity against Gram-positive bacteria, including multidrug resistant strains. <i>Nanomedicine</i> , 2015 , 10, 3359-71	5.6	9
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