

# Robert W Huigens

## List of Publications by Citations

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56  
papers

1,705  
citations

24  
h-index

40  
g-index

63  
ext. papers

2,035  
ext. citations

5.8  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
56	A ring-distortion strategy to construct stereochemically complex and structurally diverse compounds from natural products. <i>Nature Chemistry</i> , <b>2013</b> , 5, 195-202	17.6	220
55	Synergistic effects between conventional antibiotics and 2-aminoimidazole-derived antibiofilm agents. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 2112-8	5.9	154
54	Inhibition of <i>Pseudomonas aeruginosa</i> biofilm formation with Bromoageliferin analogues. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6966-7	16.4	110
53	Synthesis and screening of an oroidin library against <i>Pseudomonas aeruginosa</i> biofilms. <i>ChemBioChem</i> , <b>2008</b> , 9, 1267-79	3.8	97
52	A 2-aminobenzimidazole that inhibits and disperses gram-positive biofilms through a zinc-dependent mechanism. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9868-9	16.4	65
51	Halogenated Phenazines that Potently Eradicate Biofilms, MRSA Persister Cells in Non-Biofilm Cultures, and <i>Mycobacterium tuberculosis</i> . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14819-23	16.4	59
50	Discovery of quinoline small molecules with potent dispersal activity against methicillin-resistant <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> biofilms using a scaffold hopping strategy. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 5076-80	2.9	56
49	Phenazine antibiotic inspired discovery of potent bromophenazine antibacterial agents against <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 881-6	3.9	55
48	Structure-Activity Relationships of a Diverse Class of Halogenated Phenazines That Targets Persistent, Antibiotic-Tolerant Bacterial Biofilms and <i>Mycobacterium tuberculosis</i> . <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 3808-25	8.3	53
47	Control of bacterial biofilms with marine alkaloid derivatives. <i>Molecular BioSystems</i> , <b>2008</b> , 4, 614-21		52
46	A Tryptoline Ring-Distortion Strategy Leads to Complex and Diverse Biologically Active Molecules from the Indole Alkaloid Yohimbine. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4327-4335	4.8	47
45	Evaluation of dihydrooroidin as an antifouling additive in marine paint. <i>International Biodeterioration and Biodegradation</i> , <b>2009</b> , 63, 529-532	4.8	47
44	The chemical synthesis and antibiotic activity of a diverse library of 2-aminobenzimidazole small molecules against MRSA and multidrug-resistant <i>A. baumannii</i> . <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 663-74	3.4	47
43	Inhibition of <i>Acinetobacter baumannii</i> , <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilm formation with a class of TAGE-triazole conjugates. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 794-802	3.9	42
42	Dual targeting of the Warburg effect with a glucose-conjugated lactate dehydrogenase inhibitor. <i>ChemBioChem</i> , <b>2013</b> , 14, 2263-7	3.8	39
41	Recent Progress in Natural-Product-Inspired Programs Aimed To Address Antibiotic Resistance and Tolerance. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 7618-7642	8.3	35
40	Harnessing the Chemistry of the Indole Heterocycle to Drive Discoveries in Biology and Medicine. <i>ChemBioChem</i> , <b>2019</b> , 20, 2273-2297	3.8	34

39	Bromophenazine derivatives with potent inhibition, dispersion and eradication activities against <i>Staphylococcus aureus</i> biofilms. <i>RSC Advances</i> , <b>2015</b> , 5, 1120-1124	3.7	33
38	An Efficient Buchwald-Hartwig/Reductive Cyclization for the Scaffold Diversification of Halogenated Phenazines: Potent Antibacterial Targeting, Biofilm Eradication, and Prodrug Exploration. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3962-3983	8.3	32
37	Nitroxoline: a broad-spectrum biofilm-eradicating agent against pathogenic bacteria. <i>International Journal of Antimicrobial Agents</i> , <b>2017</b> , 49, 247-251	14.3	31
36	Synthesis and biological activity of 2-aminoimidazole triazoles accessed by Suzuki-Miyaura cross-coupling. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 3041-9	3.9	31
35	A Highly Potent Class of Halogenated Phenazine Antibacterial and Biofilm-Eradicating Agents Accessed Through a Modular Wohl-Aue Synthesis. <i>Scientific Reports</i> , <b>2017</b> , 7, 2003	4.9	27
34	Modulating the development of <i>E. coli</i> biofilms with 2-aminoimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 6310-2	2.9	27
33	Halogenated quinolines discovered through reductive amination with potent eradication activities against MRSA, MRSE and VRE biofilms. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 10290-4	3.9	26
32	Synthetically Tuning the 2-Position of Halogenated Quinolines: Optimizing Antibacterial and Biofilm Eradication Activities via Alkylation and Reductive Amination Pathways. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9181-9	4.8	24
31	Transcript Profiling of MRSA Biofilms Treated with a Halogenated Phenazine Eradicating Agent: A Platform for Defining Cellular Targets and Pathways Critical to Biofilm Survival. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15523-15528	16.4	22
30	Antimicrobial peptide-inspired NH125 analogues: bacterial and fungal biofilm-eradicating agents and rapid killers of MRSA persisters. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 5503-5512	3.9	19
29	Microwave-enhanced Friedländer synthesis for the rapid assembly of halogenated quinolines with antibacterial and biofilm eradication activities against drug resistant and tolerant bacteria. <i>MedChemComm</i> , <b>2017</b> , 8, 720-724	5	18
28	A Phytochemical-Halogenated Quinoline Combination Therapy Strategy for the Treatment of Pathogenic Bacteria. <i>ChemMedChem</i> , <b>2015</b> , 10, 1157-62	3.7	18
27	Identification of N-Arylated NH125 Analogues as Rapid Eradicating Agents against MRSA Persister Cells and Potent Biofilm Killers of Gram-Positive Pathogens. <i>ChemBioChem</i> , <b>2017</b> , 18, 352-357	3.8	16
26	Phenazine Antibiotic-Inspired Discovery of Bacterial Biofilm-Eradicating Agents. <i>ChemBioChem</i> , <b>2019</b> , 20, 2885-2902	3.8	15
25	Eradicating Bacterial Biofilms with Natural Products and their Inspired Analogues that Operate Through Unique Mechanisms. <i>Current Topics in Medicinal Chemistry</i> , <b>2017</b> , 17, 1954-1964	3	15
24	Preventing Morphine-Seeking Behavior through the Re-Engineering of Vincamine's Biological Activity. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 5119-5138	8.3	14
23	Re-Engineering of Yohimbine's Biological Activity through Ring Distortion: Identification and Structure-Activity Relationships of a New Class of Antiplasmodial Agents. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 159-167	5.5	13
22	Halogenated quinolines bearing polar functionality at the 2-position: Identification of new antibacterial agents with enhanced activity against <i>Staphylococcus epidermidis</i> . <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 155, 705-713	6.8	12

21	Combination Treatment of Erythromycin and Furamidine Provides Additive and Synergistic Rescue of Mis-Splicing in Myotonic Dystrophy Type 1 Models. <i>ACS Pharmacology and Translational Science</i> , <b>2019</b> , 2, 247-263	5.9	12
20	In vitro antifungal and antibiofilm activities of halogenated quinoline analogues against <i>Candida albicans</i> and <i>Cryptococcus neoformans</i> . <i>International Journal of Antimicrobial Agents</i> , <b>2016</b> , 48, 208-11	14.3	11
19	Yohimbine as a Starting Point to Access Diverse Natural Product-Like Agents with Re-programmed Activities against Cancer-Relevant GPCR Targets. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115546	3.4	10
18	Halogenated Phenazines that Potently Eradicate Biofilms, MRSA Persister Cells in Non-Biofilm Cultures, and <i>Mycobacterium tuberculosis</i> . <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15032-15036	3.6	9
17	Design, synthesis and biological evaluation of a halogenated phenazine-erythromycin conjugate prodrug for antibacterial applications. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 1483-1487	3.9	9
16	Progress towards a stable cephalosporin-halogenated phenazine conjugate for antibacterial prodrug applications. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127515	2.9	6
15	A Modular Synthetic Route Involving -Aryl-2-nitrosoaniline Intermediates Leads to a New Series of 3-Substituted Halogenated Phenazine Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 7275-7295	8.3	6
14	Eradicating Bacterial Biofilms with Natural Products and Their Inspired Analogues that Operate Through Unique Mechanisms. <i>Current Topics in Medicinal Chemistry</i> , <b>2016</b> ,	3	6
13	Instructive Advances in Chemical Microbiology Inspired by Nature's Diverse Inventory of Molecules. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 541-562	5.5	4
12	Turning the Tide against Antibiotic Resistance by Evaluating Novel, Halogenated Phenazine, Quinoline, and NH125 Compounds against Species Clinical Isolates and Type Strains. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	4
11	The Path to New Halogenated Quinolines With Enhanced Activities Against. <i>Microbiology Insights</i> , <b>2018</b> , 11, 1178636118808532	2.5	4
10	Rapid kill assessment of an -arylated NH125 analogue against drug-resistant microorganisms. <i>MedChemComm</i> , <b>2019</b> , 10, 712-716	5	3
9	Transcript Profiling of MRSA Biofilms Treated with a Halogenated Phenazine Eradicating Agent: A Platform for Defining Cellular Targets and Pathways Critical to Biofilm Survival. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15749-15754	3.6	3
8	Microwave-enhanced, stereospecific ring-closure of medium-ring cyanamide ethers to yohimbine. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 1182-1185	2	2
7	An ether-linked halogenated phenazine-quinone prodrug model for antibacterial applications. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 6603-6608	3.9	2
6	Evolution of Resistance to Phenazine Antibiotics in and Its Role During Coinfection with. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 636-649	5.5	1
5	Efficacy data of halogenated phenazine and quinoline agents and an NH125 analogue to veterinary mycoplasmas. <i>BMC Veterinary Research</i> , <b>2020</b> , 16, 107	2.7	1
4	Pyrazines and Their Benzo Derivatives <b>2021</b> , 229-229		1

3	Molecular characterization of myotonic dystrophy fibroblast cell lines for use in small molecule screening.. <i>iScience</i> , <b>2022</b> , 25, 104198	6.1	1
2	Ring Distortion of Vincamine Leads to the Identification of Re-Engineered Antiplasmodial Agents. <i>ACS Omega</i> , <b>2021</b> , 6, 20455-20470	3.9	0
1	Identification of Nitroxoline and Halogenated Quinoline Analogues with Antibacterial Activities against Plant Pathogens. <i>ChemistrySelect</i> , <b>2017</b> , 2, 6235-6239	1.8	