

David R Scott

List of Publications by Year in descending order

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43
papers

2,882
citations

236925

25
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

2213
citing authors

#	ARTICLE	IF	CITATIONS
1	A H ⁺ -Gated Urea Channel: The Link Between <i>Helicobacter pylori</i> Urease and Gastric Colonization. <i>Science</i> , 2000, 287, 482-485.	12.6	448
2	The role of internal urease in acid resistance of <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , 1998, 114, 58-70.	1.3	264
3	Acid-Adaptive Genes of <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 2003, 71, 5921-5939.	2.2	194
4	The Periplasmic $\hat{\pm}$ -Carbonic Anhydrase Activity of <i>Helicobacter pylori</i> Is Essential for Acid Acclimation. <i>Journal of Bacteriology</i> , 2005, 187, 729-738.	2.2	163
5	The Gastric Biology of <i>Helicobacter pylori</i> . <i>Annual Review of Physiology</i> , 2003, 65, 349-369.	13.1	159
6	Mechanisms of acid resistance due to the urease system of <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , 2002, 123, 187-195.	1.3	146
7	Expression of the <i>Helicobacter pylori</i> urel Gene Is Required for Acidic pH Activation of Cytoplasmic Urease. <i>Infection and Immunity</i> , 2000, 68, 470-477.	2.2	121
8	Acid Acclimation by <i>Helicobacter pylori</i> . <i>Physiology</i> , 2005, 20, 429-438.	3.1	110
9	Gene expression in vivo shows that <i>Helicobacter pylori</i> colonizes an acidic niche on the gastric surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7235-7240.	7.1	109
10	Gastric Infection by <i>Helicobacter pylori</i> . <i>Current Gastroenterology Reports</i> , 2011, 13, 540-546.	2.5	87
11	Interactions among the seven <i>Helicobacter pylori</i> proteins encoded by the urease gene cluster. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, G96-G106.	3.4	84
12	The Gastric and Intestinal Microbiome: Role of Proton Pump Inhibitors. <i>Current Gastroenterology Reports</i> , 2017, 19, 42.	2.5	80
13	Turnover of the gastric H ⁺ ,K ⁺ -Adenosine triphosphatase $\hat{\pm}$ subunit and its effect on inhibition of rat gastric acid secretion. <i>Gastroenterology</i> , 1995, 109, 1134-1141.	1.3	78
14	Acid resistance of <i>Helicobacter pylori</i> depends on the Urel membrane protein and an inner membrane proton barrier. <i>Molecular Microbiology</i> , 2000, 36, 141-152.	2.5	74
15	Cytoplasmic Histidine Kinase (HPO244)-Regulated Assembly of Urease with Urel, a Channel for Urea and Its Metabolites, CO ₂ , NH ₃ , and NH ₄ ⁺ , Is Necessary for Acid Survival of <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2010, 192, 94-103.	2.2	65
16	Genes of <i>Helicobacter pylori</i> Regulated by Attachment to AGS Cells. <i>Infection and Immunity</i> , 2004, 72, 2358-2368.	2.2	59
17	Cell Lysis is Responsible for the Appearance of Extracellular Urease in <i>Helicobacter pylori</i> . <i>Helicobacter</i> , 2001, 6, 93-99.	3.5	52
18	Local pH elevation mediated by the intrabacterial urease of <i>Helicobacter pylori</i> cocultured with gastric cells. <i>Journal of Clinical Investigation</i> , 2000, 106, 339-347.	8.2	52

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19	The HP0165-HP0166 Two-Component System (ArsRS) Regulates Acid-Induced Expression of HP1186 \pm -Carbonic Anhydrase in <i>Helicobacter pylori</i> by Activating the pH-Dependent Promoter. <i>Journal of Bacteriology</i> , 2007, 189, 2426-2434.	2.2	50
20	Involvement of the HP0165-HP0166 Two-Component System in Expression of Some Acidic-pH-Upregulated Genes of <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2006, 188, 1750-1761.	2.2	44
21	The pH-Responsive Regulon of HP0244 (FlgS), the Cytoplasmic Histidine Kinase of <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2009, 191, 449-460.	2.2	44
22	A <i>cis</i> -Encoded Antisense Small RNA Regulated by the HP0165-HP0166 Two-Component System Controls Expression of <i>ureB</i> in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2011, 193, 40-51.	2.2	40
23	Medium pH-dependent redistribution of the urease of <i>Helicobacter pylori</i> . <i>Journal of Medical Microbiology</i> , 2003, 52, 211-216.	1.8	39
24	Eradication of <i>Helicobacter pylori</i> Infection. <i>Current Gastroenterology Reports</i> , 2016, 18, 33.	2.5	34
25	The role of acid inhibition in <i>Helicobacter pylori</i> eradication. <i>F1000Research</i> , 2016, 5, 1747.	1.6	33
26	Mechanism of Proton Gating of a Urea Channel. <i>Journal of Biological Chemistry</i> , 2004, 279, 9944-9950.	3.4	26
27	Gastric Acid-Dependent Diseases: A Twentieth-Century Revolution. <i>Digestive Diseases and Sciences</i> , 2014, 59, 1358-1369.	2.3	26
28	Septin oligomerization regulates persistent expression of ErbB2/HER2 in gastric cancer cells. <i>Biochemical Journal</i> , 2016, 473, 1703-1718.	3.7	25
29	Role of the <i>Helicobacter pylori</i> Sensor Kinase ArsS in Protein Trafficking and Acid Acclimation. <i>Journal of Bacteriology</i> , 2012, 194, 5545-5551.	2.2	22
30	Phosphorylation-dependent and Phosphorylation-independent Regulation of <i>Helicobacter pylori</i> Acid Acclimation by the ArsRS Two-component System. <i>Helicobacter</i> , 2016, 21, 69-81.	3.5	22
31	Gastric infection by <i>Helicobacter pylori</i> . <i>Current Gastroenterology Reports</i> , 2009, 11, 455-461.	2.5	21
32	<i>Helicobacter pylori</i> impedes acid-induced tightening of gastric epithelial junctions. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G731-G739.	3.4	21
33	Acid-regulated gene expression of <i>Helicobacter pylori</i> : Insight into acid protection and gastric colonization. <i>Helicobacter</i> , 2018, 23, e12490.	3.5	21
34	Current trends in the treatment of upper gastrointestinal disease. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2002, 16, 835-849.	2.4	16
35	The Role of ExbD in Periplasmic pH Homeostasis in <i>Helicobacter pylori</i> . <i>Helicobacter</i> , 2013, 18, 363-372.	3.5	15
36	Gastric Colonization by <i>H. pylori</i> . , 2016, , 23-34.		8

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37	Regulation of Urease for Acid Habitation. , 0, , 277-283.		7
38	Measurement of Internal pH in Helicobacter pylori by Using Green Fluorescent Protein Fluorimetry. Journal of Bacteriology, 2018, 200, .	2.2	6
39	Data-sharing practices in publications funded by the Canadian Institutes of Health Research: a descriptive analysis. CMAJ Open, 2021, 9, E980-E987.	2.4	6
40	Vonoprazan: Marked Competition for PPIs?. Digestive Diseases and Sciences, 2016, 61, 1783-1784.	2.3	5
41	UreI-mediated urea transport in Helicobacter pylori: an open and shut case? Response. Trends in Microbiology, 2000, 8, 348-349.	7.7	3
42	The Role of the NMDA Receptor in Helicobacter pylori-induced Gastric Damage. Gastroenterology, 2011, 141, 1967-1969.	1.3	3
43	Treatment of Peptic Ulcer Disease: Yesterday, today and tomorrow. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY51-1.	0.0	0