Meta J Kuehn

List of Publications by Year
in descending order

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83	11,515	61857	95083
papers	citations	43 h-index	68 g-index

88	88	88	8212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Outer-membrane vesicles from Gram-negative bacteria: biogenesis and functions. Nature Reviews Microbiology, 2015, 13, 605-619.	13.6	1,277
2	Biological Functions and Biogenesis of Secreted Bacterial Outer Membrane Vesicles. Annual Review of Microbiology, 2010, 64, 163-184.	2.9	1,190
3	Virulence and Immunomodulatory Roles of Bacterial Outer Membrane Vesicles. Microbiology and Molecular Biology Reviews, 2010, 74, 81-94.	2.9	782
4	Bacterial outer membrane vesicles and the host-pathogen interaction. Genes and Development, 2005, 19, 2645-2655.	2.7	781
5	Release of outer membrane vesicles by Gram-negative bacteria is a novel envelope stress response. Molecular Microbiology, 2007, 63, 545-558.	1.2	589
6	Contribution of bacterial outer membrane vesicles to innate bacterial defense. BMC Microbiology, 2011, 11, 258.	1.3	488
7	COPIIâ€“cargo interactions direct protein sorting into ER-derived transport vesicles. Nature, 1998, 391, 187-190.	13.7	374
8	Enterotoxigenic Escherichia coli Secretes Active Heat-labile Enterotoxin via Outer Membrane Vesicles. Journal of Biological Chemistry, 2000, 275, 12489-12496.	1.6	365
9	P pili in uropathogenic E. coli are composite fibres with distinct fibrillar adhesive tips. Nature, 1992, 356, 252-255.	13.7	337
10	Enterotoxigenic Escherichia coli vesicles target toxin delivery into mammalian cells. EMBO Journal, 2004, 23, 4538-4549.	3.5	318
11	Outer Membrane Vesicle Production by Escherichia coli Is Independent of Membrane Instability. Journal of Bacteriology, 2006, 188, 5385-5392.	1.0	316
12	Stress-Induced Outer Membrane Vesicle Production by Pseudomonas aeruginosa. Journal of Bacteriology, 2013, 195, 2971-2981.	1.0	291
13	Purification of outer membrane vesicles from Pseudomonas aeruginosa and their activation of an IL-8 response. Microbes and Infection, 2006, 8, 2400-2408.	1.0	266
14	Protein selection and export via outer membrane vesicles. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1612-1619.	1.9	264
15	Structural basis of pilus subunit recognition by the PapD chaperone. Science, 1993, 262, 1234-1241.	6.0	228
16	Naturally Produced Outer Membrane Vesicles fromPseudomonas aeruginosaElicit a Potent Innate Immune Response via Combined Sensing of Both Lipopolysaccharide and Protein Components. Infection and Immunity, 2010, 78, 3822-3831.	1.0	210
17	Incorporation of Heterologous Outer Membrane and Periplasmic Proteins into Escherichia coli Outer Membrane Vesicles. Journal of Biological Chemistry, 2004, 279, 2069-2076.	1.6	184
18	Environmentally controlled bacterial vesicle-mediated export. Cellular Microbiology, 2016, 18, 1525-1536.	1.1	162

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19	Offense and defense: microbial membrane vesicles play both ways. Research in Microbiology, 2012, 163, 607-618.	1.0	159
20	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. Journal of Extracellular Vesicles, 2016, 5, 31242.	5.5	142
21	Envelope Control of Outer Membrane Vesicle Production in Gram-Negative Bacteria. Biochemistry, 2013, 52, 3031-3040.	1.2	140
22	Bacterial Surface Association of Heat-labile Enterotoxin through Lipopolysaccharide after Secretion via the General Secretory Pathway. Journal of Biological Chemistry, 2002, 277, 32538-32545.	1.6	137
23	Immunoglobulin-like PapD chaperone caps and uncaps interactive surfaces of nascently translocated pilus subunits.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10586-10590.	3.3	133
24	Modulation of bacterial outer membrane vesicle production by envelope structure and content. BMC Microbiology, 2014, 14, 324.	1.3	126
25	COPII and secretory cargo capture into transport vesicles. Current Opinion in Cell Biology, 1997, 9, 477-483.	2.6	122
26	Quantitative and Qualitative Preparations of Bacterial Outer Membrane Vesicles. Methods in Molecular Biology, 2013, 966, 259-272.	0.4	122
27	Inflammasome Activation by Bacterial Outer Membrane Vesicles Requires Guanylate Binding Proteins. MBio, 2017, 8, .	1.8	122
28	Immunization with Salmonella enterica Serovar Typhimurium-Derived Outer Membrane Vesicles Delivering the Pneumococcal Protein PspA Confers Protection against Challenge with Streptococcus pneumoniae. Infection and Immunity, 2011, 79, 887-894.	1.0	121
29	Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria.. EMBO Journal, 1992, 11, 1617-1622.	3.5	113
30	Elicitation of Epithelial Cell-Derived Immune Effectors by Outer Membrane Vesicles of Nontypeable Haemophilus influenzae. Infection and Immunity, 2011, 79, 4361-4369.	1.0	111
31	Amino acid permeases require COPII components and the ER resident membrane protein Shr3p for packaging into transport vesicles in vitro.. Journal of Cell Biology, 1996, 135, 585-595.	2.3	110
32	Pseudomonas aeruginosa vesicles associate with and are internalized by human lung epithelial cells. BMC Microbiology, 2009, 9, 26.	1.3	94
33	Nlpâ€mediated modulation of outer membrane vesicle production through peptidoglycan dynamics in Escherichia coli. MicrobiologyOpen, 2015, 4, 375-389.	1.2	85
34	Heat-Labile Enterotoxin: Beyond G M1 Binding. Toxins, 2010, 2, 1445-1470.	1.5	84
35	The inoculum effect and bandâ€pass bacterial response to periodic antibiotic treatment. Molecular Systems Biology, 2012, 8, 617.	3.2	84
36	Synthetic Effect between Envelope Stress and Lack of Outer Membrane Vesicle Production in Escherichia coli. Journal of Bacteriology, 2013, 195, 4161-4173.	1.0	82

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37	Outer Membrane Vesicle Production Facilitates LPS Remodeling and Outer Membrane Maintenance in Salmonella during Environmental Transitions. MBio, 2016, 7, .	1.8	81
38	Functional Advantages Conferred by Extracellular Prokaryotic Membrane Vesicles. Journal of Molecular Microbiology and Biotechnology, 2013, 23, 131-141.	1.0	80
39	Genome-Wide Assessment of Outer Membrane Vesicle Production in Escherichia coli. PLoS ONE, 2015, 10, e0139200.	1.1	79
40	Outer Membrane Vesiculation Facilitates Surface Exchange and InÂVivo Adaptation of Vibrio cholerae. Cell Host and Microbe, 2020, 27, 225-237.e8.	5.1	73
41	Lipopolysaccharide 3-Deoxy-d-manno-octulosonic Acid (Kdo) Core Determines Bacterial Association of Secreted Toxins. Journal of Biological Chemistry, 2004, 279, 8070-8075.	1.6	71
42	Adhesin presentation in bacteria requires molecular chaperones and ushers. Infection and Immunity, 1992, 60, 4445-4451.	1.0	65
43	The extracellular vesicle generation paradox: a bacterial point of view. EMBO Journal, 2021, 40, e108174.	3.5	58
44	Staphylococcus aureus secretes immunomodulatory RNA and DNA via membrane vesicles. Scientific Reports, 2020, 10, 18293.	1.6	50
45	Pseudomonas aeruginosa Leucine Aminopeptidase Influences Early Biofilm Composition and Structure via Vesicle-Associated Antibiofilm Activity. MBio, 2019, 10, .	1.8	42
46	Dynaminâ€related Irgm proteins modulate LPSâ€induced caspaseâ€11 activation and septic shock. EMBO Reports, 2020, 21, e50830.	2.0	41
47	Protective plant immune responses are elicited by bacterial outer membrane vesicles. Cell Reports, 2021, 34, 108645.	2.9	39
48	A novel secretion apparatus for the assembly of adhesive bacterial pili. Trends in Microbiology, 1993, 1, 50-55.	3.5	36
49	Contribution of a 28-kilodalton membrane protein to the virulence of Haemophilus influenzae. Infection and Immunity, 1991, 59, 600-608.	1.0	32
50	Context-Dependent Activation Kinetics Elicited by Soluble versus Outer Membrane Vesicle-Associated Heat-Labile Enterotoxin. Infection and Immunity, 2011, 79, 3760-3769.	1.0	30
51	Genetic, biochemical, and structural studies of biogenesis of adhesive pili in bacteria. Methods in Enzymology, 1994, 236, 282-306.	0.4	28
52	Fimbriation of Pseudomonas cepacia. Infection and Immunity, 1992, 60, 2002-2007.	1.0	25
53	Outer Membrane Vesicles. EcoSal Plus, 2005, 1, .	2.1	24
54	Trimethoprim resistance in Haemophilus influenzae is due to altered dihydrofolate reductase(s). Biochemical Journal, 1991, 274, 657-662.	1.7	22

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55	Differential Packaging Into Outer Membrane Vesicles Upon Oxidative Stress Reveals a General Mechanism for Cargo Selectivity. Frontiers in Microbiology, 2021, 12, 561863.	1.5	21
56	Residues of Heat-Labile Enterotoxin Involved in Bacterial Cell Surface Binding. Journal of Bacteriology, 2009, 191, 2917-2925.	1.0	19
57	Specificity of the Type II Secretion Systems of Enterotoxigenic Escherichia coli and Vibrio cholerae for Heat-Labile Enterotoxin and Cholera Toxin. Journal of Bacteriology, 2010, 192, 1902-1911.	1.0	19
58	Coat Proteins and Selective Protein Packaging into Transport Vesicles. Cold Spring Harbor Symposia on Quantitative Biology, 1995, 60, 11-21.	2.0	12
59	Recognition of Î²-Strand Motifs by RseB Is Required for Ïƒ ^E Activity in Escherichia coli. Journal of Bacteriology, 2011, 193, 6179-6186.	1.0	10
60	Microbial vesicle-mediated communication: convergence to understand interactions within and between domains of life. Environmental Sciences: Processes and Impacts, 2021, 23, 664-677.	1.7	9
61	Establishing communication via Gram-negative bacterial pili. Trends in Microbiology, 1997, 5, 130-132.	3.5	8
62	Breaking the bilayer: OMV formation during environmental transitions. Microbial Cell, 2017, 4, 64-66.	1.4	8
63	Secreted Bacterial Vesicles as Good Samaritans. Cell Host and Microbe, 2012, 12, 392-393.	5.1	7
64	Cryptococcus and calcineurin. Trends in Microbiology, 1997, 5, 307.	3.5	5
65	Genetically Engineered Probiotic Competition. Gastroenterology, 2006, 130, 1915-1916.	0.6	4
66	Structure, Function, and Biogenesis of Escherichia coli P Pili. , 2020, , 37-51.		3
67	Foreign travel. Trends in Microbiology, 1999, 7, 102.	3.5	1
68	Bacterial cave dwellers. Trends in Microbiology, 2000, 8, 450-451.	3.5	1
69	Molecular escorts required to present bacterial adhesins to eukaryotic receptors. Developments in Plant Pathology, 1994, , 31-45.	0.1	1
70	Leaping into the outer membrane. Trends in Microbiology, 1997, 5, 387.	3.5	0
71	New transporter family. Trends in Microbiology, 1998, 6, 351.	3.5	0
72	Expressed by stress. Trends in Microbiology, 1999, 7, 231.	3.5	0

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73	A divisive role for lipoproteins. Trends in Microbiology, 1999, 7, 400.	3.5	0
74	Definitive typing of LPS core structures. Trends in Microbiology, 2000, 8, 212.	3.5	0
75	Lighting the path to virulence. Trends in Microbiology, 2000, 8, 16.	3.5	0
76	Bacterialâ€“host-cell tethers. Trends in Microbiology, 2001, 9, 310.	3.5	0
77	Engineering a biosensor from a bacterial periplasmic protein. Trends in Microbiology, 2001, 9, 527.	3.5	0
78	Polarized secretion. Trends in Microbiology, 2002, 10, 116.	3.5	0
79	Surrogate host succumbs to virulent Pseudomonas. Trends in Microbiology, 2002, 10, 215.	3.5	0
80	FRET probes toxin activity in situ. Trends in Microbiology, 2002, 10, 355.	3.5	0
81	Bacterial density dictates virulence in cholera. Trends in Microbiology, 2002, 10, 449.	3.5	0
82	The E. coli BaeSR two-component regulatory system. Trends in Microbiology, 2002, 10, 553.	3.5	0
83	Characterizing nucleic acid association with bacterial membrane vesicles and their transfer to host cells. FASEB Journal, 2018, 32, 669.15.	0.2	0