

Agneta Richter-Dahlfors

List of Publications by Year
in descending order

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64
papers

4,259
citations

201674

27
h-index

144013

57
g-index

68
all docs

68
docs citations

68
times ranked

5315
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Properties Dictating Selective Optotracer Detection of <i>Staphylococcus aureus</i> . ChemBioChem, 2022, 23, .	2.6	5
2	Effect of anticoagulant and platelet inhibition on the risk of bacteremia among patients with acute pyelonephritis: a retrospective cohort study. BMC Infectious Diseases, 2022, 22, .	2.9	0
3	UPEC kidney infection triggers neuro-immune communication leading to modulation of local renal inflammation by splenic IFN γ . PLoS Pathogens, 2021, 17, e1009553.	4.7	2
4	An Organic Electrochemical Transistor to Monitor <i>Salmonella</i> Growth in Real-time. Advanced Materials Interfaces, 2021, 8, 2100961.	3.7	7
5	A semi high-throughput method for real-time monitoring of curli producing <i>Salmonella</i> biofilms on air-solid interfaces. Biofilm, 2021, 3, 100060.	3.8	12
6	Optotracing for selective fluorescence-based detection, visualization and quantification of live <i>S. aureus</i> in real-time. Npj Biofilms and Microbiomes, 2020, 6, 35.	6.4	9
7	A Cinematic View of Tissue Microbiology in the Live Infected Host. , 2020, , 315-324.		0
8	Bacterial Sensing and Biofilm Monitoring for Infection Diagnostics. Macromolecular Bioscience, 2020, 20, e2000129.	4.1	19
9	Nitrate Metabolism Modulates Biosynthesis of Biofilm Components in Uropathogenic <i>Escherichia coli</i> and Acts as a Fitness Factor During Experimental Urinary Tract Infection. Frontiers in Microbiology, 2020, 11, 26.	3.5	26
10	Cellulose from the green macroalgae <i>Ulva lactuca</i> : isolation, characterization, optotracing, and production of cellulose nanofibrils. Cellulose, 2020, 27, 3707-3725.	4.9	91
11	Electrochemical sensing of bacteria via secreted redox active compounds using conducting polymers. Sensors and Actuators B: Chemical, 2019, 297, 126703.	7.8	23
12	A Cinematic View of Tissue Microbiology in the Live Infected Host. Microbiology Spectrum, 2019, 7, .	3.0	0
13	Conjugated Oligo- and Polymers for Bacterial Sensing. Frontiers in Chemistry, 2019, 7, 265.	3.6	13
14	Stereochemical identification of glucans by a donor-acceptor-donor conjugated pentamer enables multi-carbohydrate anatomical mapping in plant tissues. Cellulose, 2019, 26, 4253-4264.	4.9	15
15	High Resolution Intravital Imaging of the Renal Immune Response to Injury and Infection in Mice. Frontiers in Immunology, 2019, 10, 2744.	4.8	11
16	Stereochemical identification of glucans by oligothiophenes enables cellulose anatomical mapping in plant tissues. Scientific Reports, 2018, 8, 3108.	3.3	17
17	Protective vascular coagulation in response to bacterial infection of the kidney is regulated by bacterial lipid A and host CD147. Pathogens and Disease, 2018, 76, .	2.0	17
18	Protective vascular coagulation in response to bacterial infection of the kidney is regulated by bacterial lipid A and host CD147. Pathogens and Disease, 2018, , .	2.0	16

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19	Rapid diagnostic assay for detection of cellulose in urine as biomarker for biofilm-related urinary tract infections. Npj Biofilms and Microbiomes, 2018, 4, 26.	6.4	20
20	Rapid Phenotypic Antibiotic Susceptibility Testing of Uropathogens Using Optical Signal Analysis on the Nanowell Slide. Frontiers in Microbiology, 2018, 9, 1530.	3.5	19
21	A universal platform for selection and high-resolution phenotypic screening of bacterial mutants using the nanowell slide. Lab on A Chip, 2018, 18, 1767-1777.	6.0	6
22	Organic bioelectronics in medicine. Journal of Internal Medicine, 2017, 282, 24-36.	6.0	35
23	Redox-active conducting polymers modulate Salmonella biofilm formation by controlling availability of electron acceptors. Npj Biofilms and Microbiomes, 2017, 3, 19.	6.4	31
24	Electroenhanced Antimicrobial Coating Based on Conjugated Polymers with Covalently Coupled Silver Nanoparticles Prevents <i>Staphylococcus aureus</i> Biofilm Formation. Advanced Healthcare Materials, 2017, 6, 1700435.	7.6	26
25	Integrated Pathophysiology of Pyelonephritis. , 2016, , 503-522.		0
26	Electrochemically triggered release of acetylcholine from scCO ₂ impregnated conductive polymer films evokes intracellular Ca ²⁺ signaling in neurotypic SH-SY5Y cells. Journal of Controlled Release, 2016, 243, 283-290.	9.9	23
27	Real-time optotracing of curli and cellulose in live Salmonella biofilms using luminescent oligothiophenes. Npj Biofilms and Microbiomes, 2016, 2, 16024.	6.4	42
28	Nondestructive, real-time determination and visualization of cellulose, hemicellulose and lignin by luminescent oligothiophenes. Scientific Reports, 2016, 6, 35578.	3.3	34
29	Organic Bioelectronics. , 2016, , 3110-3118.		0
30	Integrated Pathophysiology of Pyelonephritis. Microbiology Spectrum, 2015, 3, .	3.0	4
31	Organic Bioelectronic Tools for Biomedical Applications. Electronics (Switzerland), 2015, 4, 879-908.	3.1	44
32	Organic bioelectronics in infection. Journal of Materials Chemistry B, 2015, 3, 4979-4992.	5.8	19
33	An organic electronic biomimetic neuron enables auto-regulated neuromodulation. Biosensors and Bioelectronics, 2015, 71, 359-364.	10.1	44
34	Phase angle spectroscopy on transparent conducting polymer electrodes for real-time measurement of epithelial barrier integrity. Journal of Materials Chemistry B, 2015, 3, 4997-5000.	5.8	9
35	Bacterial Nanoscale Cultures for Phenotypic Multiplexed Antibiotic Susceptibility Testing. Journal of Clinical Microbiology, 2014, 52, 3310-3317.	3.9	29
36	Biomimetic Interfaces Reveal Activation Dynamics of Ca ²⁺ -Reactive Protein in Local Microenvironments. Advanced Healthcare Materials, 2014, 3, 1733-1738.	7.6	31

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37	Organic bioelectronics for electronic-to-chemical translation in modulation of neuronal signaling and machine-to-brain interfacing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4334-4344.	2.4	45
38	Swedish Medical Nanoscience Center at Karolinska Institutet. <i>Nanotechnology Reviews</i> , 2012, 1, .	5.8	0
39	Intravital models of infection lay the foundation for tissue microbiology. <i>Future Microbiology</i> , 2012, 7, 519-533.	2.0	8
40	Tissue microbiology provides a coherent picture of infection. <i>Current Opinion in Microbiology</i> , 2012, 15, 15-22.	5.1	25
41	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012, 33, 4947-4956.	11.4	200
42	Organic bioelectronics in nanomedicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 276-285.	2.4	112
43	Electronic Control of Cell Detachment Using a Selfâ€Doped Conducting Polymer. <i>Advanced Materials</i> , 2011, 23, 4403-4408.	21.0	107
44	Uropathogenic <i>Escherichia coli</i> P and Type 1 Fimbriae Act in Synergy in a Living Host to Facilitate Renal Colonization Leading to Nephron Obstruction. <i>PLoS Pathogens</i> , 2011, 7, e1001298.	4.7	145
45	Precise Neurotransmitter-Mediated Communication with Neurons In Vitro and In Vivo Using Organic Electronics. <i>Journal of Biomechanical Science and Engineering</i> , 2010, 5, 208-217.	0.3	5
46	Ion bipolar junction transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9929-9932.	7.1	125
47	An organic electronic ion pump to regulate intracellular signaling at high spatiotemporal resolution. , 2009, , .		8
48	Translating Electronic Currents to Precise Acetylcholineâ€Induced Neuronal Signaling Using an Organic Electrophoretic Delivery Device. <i>Advanced Materials</i> , 2009, 21, 4442-4446.	21.0	110
49	Active Control of Epithelial Cellâ€Density Gradients Grown Along the Channel of an Organic Electrochemical Transistor. <i>Advanced Materials</i> , 2009, 21, 4379-4382.	21.0	85
50	Electrochemical modulation of epithelia formation using conducting polymers. <i>Biomaterials</i> , 2009, 30, 6257-6264.	11.4	121
51	Organic electronics for precise delivery of neurotransmitters to modulate mammalian sensory function. <i>Nature Materials</i> , 2009, 8, 742-746.	27.5	314
52	Nano-fiber scaffold electrodes based on PEDOT for cell stimulation. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 451-456.	7.8	110
53	Real-time live imaging to study bacterial infections in vivo. <i>Current Opinion in Microbiology</i> , 2009, 12, 31-36.	5.1	21
54	Electronically controlled pH gradients and proton oscillations. <i>Organic Electronics</i> , 2008, 9, 303-309.	2.6	31

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55	Bacterial infection-mediated mucosal signalling induces local renal ischaemia as a defence against sepsis. Cellular Microbiology, 2008, 10, 1987-1998.	2.1	119
56	Organic Bioelectronics. Advanced Materials, 2007, 19, 3201-3213.	21.0	570
57	Electronic control of Ca ²⁺ signalling in neuronal cells using an organic electronic ion pump. Nature Materials, 2007, 6, 673-679.	27.5	352
58	Real-time studies of the progression of bacterial infections and immediate tissue responses in live animals. Cellular Microbiology, 2007, 9, 413-424.	2.1	95
59	Nanoscale features influence epithelial cell morphology and cytokine production. Biomaterials, 2003, 24, 3427-3436.	11.4	335
60	Structural requirements for TLR4-mediated LPS signalling: a biological role for LPS modifications. Microbes and Infection, 2003, 5, 1057-1063.	1.9	127
61	Induction of innate immune responses by Escherichia coli and purified lipopolysaccharide correlate with organ- and cell-specific expression of Toll-like receptors within the human urinary tract. Cellular Microbiology, 2001, 3, 153-158.	2.1	145
62	Î±-Haemolysin of uropathogenic E. coli induces Ca ²⁺ oscillations in renal epithelial cells. Nature, 2000, 405, 694-697.	27.8	238
63	Dynamic Imaging Technologies to Explore Infectious Processes at the Cellular, Tissue and Organ Level. , 0, , 251-277.		0
64	Membrane-Damaging Toxins: Family of RTX Toxins. , 0, , 203-214.		3