

Thomas E Winkler

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

632
citations

687363

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610901

24
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34
all docs

34
docs citations

34
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated Polymers for Assessing and Controlling Biological Functions. <i>Advanced Materials</i> , 2019, 31, e1806712.	21.0	151
2	Experimental probing of exchange interactions between localized spins in the dilute magnetic insulator (Ga,Mn)N. <i>Physical Review B</i> , 2011, 84, .	3.2	61
3	Redox Probing for Chemical Information of Oxidative Stress. <i>Analytical Chemistry</i> , 2017, 89, 1583-1592.	6.5	46
4	Redox cycling-based amplifying electrochemical sensor for in situ clozapine antipsychotic treatment monitoring. <i>Electrochimica Acta</i> , 2014, 130, 497-503.	5.2	36
5	Reliable clinical serum analysis with reusable electrochemical sensor: Toward point-of-care measurement of the antipsychotic medication clozapine. <i>Biosensors and Bioelectronics</i> , 2017, 95, 55-59.	10.1	33
6	An Integrated Microsystem for Real-Time Detection and Threshold-Activated Treatment of Bacterial Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31362-31371.	8.0	33
7	Low-cost microphysiological systems: feasibility study of a tape-based barrier-on-chip for small intestine modeling. <i>Lab on A Chip</i> , 2020, 20, 1212-1226.	6.0	33
8	Electrochemical Study of the Catechol-Modified Chitosan System for Clozapine Treatment Monitoring. <i>Langmuir</i> , 2014, 30, 14686-14693.	3.5	31
9	Blood Draw Barriers for Treatment with Clozapine and Development of a Point-of-Care Monitoring Device. <i>Clinical Schizophrenia and Related Psychoses</i> , 2018, 12, 23-30.	1.4	30
10	Programmable "Semismart" Sensor: Relevance to Monitoring Antipsychotics. <i>Advanced Functional Materials</i> , 2015, 25, 2156-2165.	14.9	23
11	Continuous Monitoring Reveals Protective Effects of <i>N</i> -Acetylcysteine Amide on an Isogenic Microphysiological Model of the Neurovascular Unit. <i>Small</i> , 2021, 17, e2101785.	10.0	19
12	An Electrochemical Micro-System for Clozapine Antipsychotic Treatment Monitoring. <i>Electrochimica Acta</i> , 2015, 163, 260-270.	5.2	17
13	Fusing Sensor Paradigms to Acquire Chemical Information: An Integrative Role for Smart Biopolymeric Hydrogels. <i>Advanced Healthcare Materials</i> , 2016, 5, 2595-2616.	7.6	16
14	Hydrodynamic focusing for microfluidic impedance cytometry: a system integration study. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	14
15	Sorption of Neuropsychopharmaca in Microfluidic Materials for <i>In Vitro</i> Studies. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45161-45174.	8.0	14
16	Multidimensional Mapping Method Using an Arrayed Sensing System for Cross-Reactivity Screening. <i>PLoS ONE</i> , 2015, 10, e0116310.	2.5	10
17	Bioorthogonally Cross-Linked Hyaluronan-Laminin Hydrogels for 3D Neuronal Cell Culture and Biofabrication. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102097.	7.6	10
18	Compensation-dependence of magnetic and electrical properties in Ga _{1-x} Mn _x P. <i>Applied Physics Letters</i> , 2011, 98, 012103.	3.3	9

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19	The interplay of electrode- and bio-materials in a redox-cycling-based clozapine sensor. <i>Electrochemistry Communications</i> , 2017, 79, 33-36.	4.7	9
20	Low-Cost PVD Shadow Masks with Submillimeter Resolution from Laser-Cut Paper. <i>Micromachines</i> , 2020, 11, 676.	2.9	9
21	Localized Three-Dimensional Functionalization of Bionanoreceptors on High-Density Micropillar Arrays via Electrowetting. <i>Langmuir</i> , 2018, 34, 1725-1732.	3.5	8
22	Molecular processes in an electrochemical clozapine sensor. <i>Biointerphases</i> , 2017, 12, 02B401.	1.6	7
23	The Binding Effect of Proteins on Medications and Its Impact on Electrochemical Sensing: Antipsychotic Clozapine as a Case Study. <i>Pharmaceuticals</i> , 2017, 10, 69.	3.8	6
24	The Role of Microsystems Integration Towards Point-of-Care Clozapine Treatment Monitoring in Schizophrenia. , 2018, 2, 1-4.		4
25	Catechol-modified Chitosan System as a Bio-amplifier for Schizophrenia Treatment Analysis. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1572, 1.	0.1	2
26	The effect of Vitamin C for point-of-care blood analysis applications using an electrochemical biosensor. , 2013, , .		0
27	Bio-amplifying lab-on-a-chip for antipsychotic clozapine treatment monitoring. , 2013, , .		0
28	Osmotic erythrocyte lysis for chemical- and label-free impedance cytometry. , 2015, , .		0
29	3D-EBP: A programmable 3D bionanoreceptor assembly. , 2017, , .		0
30	Continuous Monitoring Reveals Protective Effects of <i>N</i> -Acetylcysteine Amide on an Isogenic Microphysiological Model of the Neurovascular Unit (<i>Small</i> 32/2021). <i>Small</i> , 2021, 17, 2170167.	10.0	0