Weng Kung Peng

List of Publications by Year
in descending order

26 papers	926 citations	567144 15 h-index	580701 25 g-index
29 all docs	29 docs citations	29 times ranked	1076 citing authors

#	Article	IF	Citations
1	Review of Microdevices for Hemozoin-Based Malaria Detection. Biosensors, 2022, 12, 110.	2.3	14
2	Lab-on-a-chip technologies for minimally invasive molecular sensing of diabetic retinopathy. Lab on A Chip, 2022, , .	3.1	0
3	Clustering Nuclear Magnetic Resonance: Machine learning assistive rapid twoâ€dimensional relaxometry mapping. Engineering Reports, 2021, 3, e12383.	0.9	13
4	Multi-Omics Advancements towards Plasmodium vivax Malaria Diagnosis. Diagnostics, 2021, 11, 2222.	1.3	12
5	Molecular phenotyping of oxidative stress in diabetes mellitus with point-of-care NMR system. Npj Aging and Mechanisms of Disease, 2020, 6, 11.	4.5	18
6	Machine learning assistive rapid, label-free molecular phenotyping of blood with two-dimensional NMR correlational spectroscopy. Communications Biology, 2020, 3, 535.	2.0	26
7	Engineering of 2D transition metal carbides and nitrides MXenes for cancer therapeutics and diagnostics. Journal of Materials Chemistry B, 2020, 8, 4990-5013.	2.9	76
8	Rapid phenotyping towards personalized malaria medicine. Malaria Journal, 2020, 19, 68.	0.8	17
9	Omics Meeting Onics: Towards the Next Generation of Spectroscopic-Based Technologies in Personalized Medicine. Journal of Personalized Medicine, 2019, 9, 39.	1.1	16
10	Perspective: Cellular and Molecular Profiling Technologies in Personalized Oncology. Journal of Personalized Medicine, 2019, 9, 44.	1.1	9
11	Micro- and nanofabrication NMR technologies for point-of-care medical applications â€“ A review. Microelectronic Engineering, 2019, 209, 66-74.	1.1	36
12	Reply to "Considerations regarding the micromagnetic resonance relaxometry technique for rapid label-free malaria diagnosis". Nature Medicine, 2015, 21, 1387-1389.	15.2	17
13	Enhancing malaria diagnosis through microfluidic cell enrichment and magnetic resonance relaxometry detection. Scientific Reports, 2015, 5, 11425.	1.6	63
14	Application of smoothed continuous labile haemoglobin A1c reference intervals for identification of potentially spurious HbA1c results. Journal of Clinical Pathology, 2014, 67, 712-716.	1.0	14
15	Rapid Prototyping of Concave Microwells for the Formation of 3D Multicellular Cancer Aggregates for Drug Screening. Advanced Healthcare Materials, 2014, 3, 609-616.	3.9	77
16	Haemoglobin electrochemical detection on various reduced graphene surfaces: well-defined glassy carbon electrode outperforms the graphenoids. RSC Advances, 2014, 4, 8050.	1.7	19
17	Micromagnetic resonance relaxometry for rapid label-free malaria diagnosis. Nature Medicine, 2014, 20, 1069-1073.	15.2	111
18	Direct In Vivo Electrochemical Detection of Haemoglobin in Red Blood Cells. Scientific Reports, 2014, 4, 6209.	1.6	44

#	Article	IF	Citations
19	Highly Integrated, Low Cost, Palm-Top Sized Magnetic Resonance Relaxometry System for Rapid Blood Screening. IFMBE Proceedings, 2014, , 558-561.	0.2	1
20	Microscale electrodialysis: Concentration profiling and vortex visualization. Desalination, 2013, 308, 138-146.	4.0	166
21	Development of miniaturized, portable magnetic resonance relaxometry system for point-of-care medical diagnosis. Review of Scientific Instruments, 2012, 83, 095115.	0.6	37
22	Real-time control of a microfluidic channel for size-independent deformability cytometry. Journal of Micromechanics and Microengineering, 2012, 22, 105037.	1.5	22
23	Adhesive-based liquid metal radio-frequency microcoil for magnetic resonance relaxometry measurement. Lab on A Chip, 2012, 12, 287-294.	3.1	44
24	Simultaneous adiabatic spin-locking cross polarization in solid-state NMR of paramagnetic complexes. Chemical Physics Letters, 2008, 460, 531-535.	1.2	17
25	Efficient cross polarization with simultaneous adiabatic frequency sweep on the source and target channels. Journal of Magnetic Resonance, 2007, 188, 267-274.	1.2	18
26	A new technique for cross polarization in solid-state NMR compatible with high spinning frequencies and high magnetic fields. Chemical Physics Letters, 2006, 417, 58-62.	1.2	27