

MaÃwenn Kersaudy-Kerhoas

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,286
citations

516710

16
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

2166
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosome isolation: a microfluidic road-map. <i>Lab on A Chip</i> , 2015, 15, 2388-2394.	6.0	302
2	Micro-scale blood plasma separation: from acoustophoresis to egg-beaters. <i>Lab on A Chip</i> , 2013, 13, 3323.	6.0	178
3	Microfluidic blood plasma separation for medical diagnostics: is it worth it?. <i>Lab on A Chip</i> , 2016, 16, 3441-3448.	6.0	122
4	Hydrodynamic blood plasma separation in microfluidic channels. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 105-114.	2.2	114
5	Validation of a blood plasma separation system by biomarker detection. <i>Lab on A Chip</i> , 2010, 10, 1587.	6.0	67
6	Safe and cost-effective rapid-prototyping of multilayer PMMA microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	53
7	Effect of hydroxyapatite concentration and size on morpho-mechanical properties of PLA-based randomly oriented and aligned electrospun nanofibrous mats. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103449.	3.1	51
8	Poly(lactic acid) is a Sustainable, Low Absorption, Low Autofluorescence Alternative to Other Plastics for Microfluidic and Organ-on-Chip Applications. <i>Analytical Chemistry</i> , 2020, 92, 6693-6701.	6.5	50
9	Detection of <i>Cryptosporidium</i> in miniaturised fluidic devices. <i>Water Research</i> , 2012, 46, 1641-1661.	11.3	49
10	Analysis of fluid separation in microfluidic T-channels. <i>Applied Mathematical Modelling</i> , 2012, 36, 743-755.	4.2	37
11	MicroRNA-122 can be measured in capillary blood which facilitates point-of-care testing for drug-induced liver injury. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 2027-2033.	2.4	34
12	Versatile hybrid acoustic micromixer with demonstration of circulating cell-free DNA extraction from sub-ml plasma samples. <i>Lab on A Chip</i> , 2020, 20, 741-748.	6.0	33
13	Opportunities and challenges for the application of microfluidic technologies in point-of-care veterinary diagnostics. <i>Molecular and Cellular Probes</i> , 2016, 30, 331-341.	2.1	31
14	Current and emerging techniques of fetal cell separation from maternal blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1905-1911.	2.3	29
15	A simple and robust real-time qPCR method for the detection of PIK3CA mutations. <i>Scientific Reports</i> , 2018, 8, 4290.	3.3	28
16	Laser Ablation of Poly(lactic acid) Sheets for the Rapid Prototyping of Sustainable, Single-Use, Disposable Medical Microcomponents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4899-4908.	6.7	26
17	PIK3CA mutation enrichment and quantitation from blood and tissue. <i>Scientific Reports</i> , 2020, 10, 17082.	3.3	15
18	Design of problem-based learning activities in the field of microfluidics for 12- to 13-year-old participants – "Small Plumbing!": empowering the next generation of microfluidic engineers. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	12

#	ARTICLE	IF	CITATIONS
19	Effects of syringe pump fluctuations on cell-free layer in hydrodynamic separation microfluidic devices. <i>Physics of Fluids</i> , 2021, 33, 073317.	4.0	10
20	Modelling and simulation of the behaviour of a biofluid in a microchannel biochip separator. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 549-560.	1.6	8
21	Engineered Membranes for Residual Cell Trapping on Microfluidic Blood Plasma Separation Systems: A Comparison between Porous and Nanofibrous Membranes. <i>Membranes</i> , 2021, 11, 680.	3.0	7
22	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics. <i>Biomicrofluidics</i> , 2022, 16, 024108.	2.4	6
23	Validation of a fully integrated platform and disposable microfluidic chips enabling parallel purification of genome segments for assembly. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1627-1637.	3.3	5
24	Micro-Optical Waveguides Realization by Low-Cost Technologies. <i>Micro</i> , 2022, 2, 123-136.	2.0	5
25	Current and Emerging Microfluidic-Based Integrated Solutions for Free Hemoglobin and Hemolysis Detection and Measurement. <i>Analytical Chemistry</i> , 2022, 94, 75-85.	6.5	3
26	A low-cost, open-source centrifuge adaptor for separating large volume clinical blood samples. <i>PLoS ONE</i> , 2022, 17, e0266769.	2.5	3
27	Integrated biomedical device for blood preparation. , 2008, , .		1
28	Challenges in modelling biofluids in microchannels. , 2008, , .		1
29	Impact of microfluidic processing on bacterial ribonucleic acid expression. <i>Biomicrofluidics</i> , 2015, 9, 031102.	2.4	1
30	Effect of fluid dynamics and device mechanism on biofluid behaviour in microchannel systems: Modelling biofluids in a microchannel biochip separator. , 2009, , .		0
31	Parametrical modeling and design optimization of blood plasma separation device with microchannel mechanism. , 2009, , .		0