

Nuno M Reis

List of Publications by Year in descending order

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32
papers

998
citations

471371

17
h-index

434063

31
g-index

34
all docs

34
docs citations

34
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective photocatalytic synthesis of benzaldehyde in microcapillaries with immobilized carbon nitride. <i>Chemical Engineering Journal</i> , 2022, 430, 132643.	6.6	13
2	Fast prototyping using 3D printed templates and flexible fluoropolymer microcapillary films offers enhanced micromixing in immobilised (bio)catalytic reactions. <i>Chemical Engineering Journal</i> , 2022, 429, 132266.	6.6	13
3	Label-free 1D microfluidic dipstick counting of microbial colonies and bacteriophage plaques. <i>Lab on A Chip</i> , 2022, 22, 2820-2831.	3.1	6
4	Microcapillary film reactor outperforms single-bore mesocapillary reactors in continuous flow chemical reactions. <i>Chemical Engineering Journal</i> , 2021, 408, 127860.	6.6	13
5	Point-of-need detection with smartphone. , 2021, , 311-362.		1
6	Antibody Surface Coverage Drives Matrix Interference in Microfluidic Capillary Immunoassays. <i>ACS Sensors</i> , 2021, 6, 2682-2690.	4.0	12
7	Modern microfluidic approaches for determination of ions. <i>Microchemical Journal</i> , 2021, 171, 106845.	2.3	14
8	Gravity-Driven Microfluidic Siphons: Fluidic Characterization and Application to Quantitative Immunoassays. <i>ACS Sensors</i> , 2021, 6, 4338-4348.	4.0	19
9	Siphon-Induced Droplet Break-Off for Enhanced Mixing on a Centrifugal Platform. <i>Inventions</i> , 2020, 5, 1.	1.3	15
10	Microfluidic smartphone quantitation of Escherichia coli in synthetic urine. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111624.	5.3	43
11	Transparent, Hydrophobic Fluorinated Ethylene Propylene Offers Rapid, Robust, and Irreversible Passive Adsorption of Diagnostic Antibodies for Sensitive Optical Biosensing. <i>ACS Applied Bio Materials</i> , 2019, 2, 2780-2790.	2.3	12
12	Immunocapture of Escherichia coli in a fluoropolymer microcapillary array. <i>Journal of Chromatography A</i> , 2019, 1585, 46-55.	1.8	10
13	Removal of antiretroviral drugs stavudine and zidovudine in water under UV254 and UV254/H2O2 processes: Quantum yields, kinetics and ecotoxicology assessment. <i>Journal of Hazardous Materials</i> , 2018, 349, 195-204.	6.5	33
14	Sensitive optical detection of clinically relevant biomarkers in affordable microfluidic devices: Overcoming substrate diffusion limitations. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 313-320.	4.0	18
15	A high-throughput multi-microfluidic crystal generator (MMicroCryGen) platform for facile screening of polymorphism and crystal morphology for pharmaceutical compounds. <i>Lab on A Chip</i> , 2018, 18, 2235-2245.	3.1	16
16	A critical insight into the development pipeline of microfluidic immunoassay devices for the sensitive quantitation of protein biomarkers at the point of care. <i>Analyst</i> , The, 2017, 142, 858-882.	1.7	72
17	Covalent immobilisation of antibodies in Teflon-FEP microfluidic devices for the sensitive quantification of clinically relevant protein biomarkers. <i>Analyst</i> , The, 2017, 142, 959-968.	1.7	33
18	Photodegradation and ecotoxicology of acyclovir in water under UV254 and UV254/H2O2 processes. <i>Water Research</i> , 2017, 122, 591-602.	5.3	50

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19	Towards One-Step Quantitation of Prostate-Specific Antigen (PSA) in Microfluidic Devices: Feasibility of Optical Detection with Nanoparticle Labels. <i>BioNanoScience</i> , 2017, 7, 718-726.	1.5	24
20	Photo inactivation of virus particles in microfluidic capillary systems. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1481-1492.	1.7	7
21	Removal of benzoylecgonine from water matrices through UV254/H ₂ O ₂ process: Reaction kinetic modeling, ecotoxicity and genotoxicity assessment. <i>Journal of Hazardous Materials</i> , 2016, 318, 515-525.	6.5	29
22	Lab on a stick: multi-analyte cellular assays in a microfluidic dipstick. <i>Lab on A Chip</i> , 2016, 16, 2891-2899.	3.1	47
23	Investigation on the removal of the major cocaine metabolite (benzoylecgonine) in water matrices by UV 254 /H ₂ O ₂ process by using a flow microcapillary film array photoreactor as an efficient experimental tool. <i>Water Research</i> , 2016, 89, 375-383.	5.3	25
24	Direct photolysis of benzoylecgonine under UV irradiation at 254nm in a continuous flow microcapillary array photoreactor. <i>Chemical Engineering Journal</i> , 2016, 283, 243-250.	6.6	29
25	Portable smartphone quantitation of prostate specific antigen (PSA) in a fluoropolymer microfluidic device. <i>Biosensors and Bioelectronics</i> , 2015, 70, 5-14.	5.3	203
26	A novel microfluidic approach for extremely fast and efficient photochemical transformations in fluoropolymer microcapillary films. <i>Chemical Communications</i> , 2015, 51, 8414-8417.	2.2	38
27	Multiplexed femtomolar quantitation of human cytokines in a fluoropolymer microcapillary film. <i>Analyst</i> , The, 2015, 140, 5609-5618.	1.7	36
28	CO ₂ Dissolution and Design Aspects of a Multiorifice Oscillatory Baffled Column. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17303-17316.	1.8	17
29	A lab-in-a-briefcase for rapid prostate specific antigen (PSA) screening from whole blood. <i>Lab on A Chip</i> , 2014, 14, 2918-2928.	3.1	57
30	Through-Wall Mass Transport as a Modality for Safe Generation of Singlet Oxygen in Continuous Flows. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 209-213.	3.2	49
31	A simple device for multiplex ELISA made from melt-extruded plastic microcapillary film. <i>Lab on A Chip</i> , 2011, 11, 4267.	3.1	34
32	The effect of protein-precipitant interfaces and applied shear on the nucleation and growth of lysozyme crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 1127-1139.	2.5	7