

Dionysios C Christodouleas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,486
citations

19
h-index

38
g-index

41
ext. papers

1,708
ext. citations

7.6
avg. IF

4.68
L-index

#	Paper	IF	Citations
41	Universal mobile electrochemical detector designed for use in resource-limited applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11984-9	11.5	212
40	Integrating Electronics and Microfluidics on Paper. <i>Advanced Materials</i> , 2016 , 28, 5054-63	24	176
39	Folding analytical devices for electrochemical ELISA in hydrophobic R(H) paper. <i>Analytical Chemistry</i> , 2014 , 86, 11999-2007	7.8	118
38	Electrically Activated Paper Actuators. <i>Advanced Functional Materials</i> , 2016 , 26, 2446-2453	15.6	113
37	From Point-of-Care Testing to eHealth Diagnostic Devices (eDiagnostics). <i>ACS Central Science</i> , 2018 , 4, 1600-1616	16.8	89
36	Sliding-strip microfluidic device enables ELISA on paper. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 77-84	11.8	85
35	Broadly available imaging devices enable high-quality low-cost photometry. <i>Analytical Chemistry</i> , 2015 , 87, 9170-8	7.8	84
34	Polymerization-based signal amplification for paper-based immunoassays. <i>Lab on A Chip</i> , 2015 , 15, 655-97.2		83
33	Handheld isothermal amplification and electrochemical detection of DNA in resource-limited settings. <i>Analytical Biochemistry</i> , 2018 , 543, 116-121	3.1	55
32	Flow-Based Methods with Chemiluminescence Detection for Food and Environmental Analysis: A Review. <i>Analytical Letters</i> , 2011 , 44, 176-215	2.2	36
31	Comparative biophysical studies of sartan class drug molecules losartan and candesartan (CV-11974) with membrane bilayers. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 6180-92	3.4	34
30	Modified DPPH and ABTS Assays to Assess the Antioxidant Profile of Untreated Oils. <i>Food Analytical Methods</i> , 2015 , 8, 1294-1302	3.4	33
29	Magnetic Levitation To Characterize the Kinetics of Free-Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18688-18697	16.4	32
28	Development and validation of a chemiluminogenic method for the evaluation of antioxidant activity of hydrophilic and hydrophobic antioxidants. <i>Analytica Chimica Acta</i> , 2009 , 652, 295-302	6.6	32
27	NMR metabolite profiling of Greek grape marc spirits. <i>Food Chemistry</i> , 2013 , 138, 1837-46	8.5	26
26	Colorimetric and visual read-out determination of cyanuric acid exploiting the interaction between melamine and silver nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 623-629	5.8	25
25	Luminescent Methods in the Analysis of Untreated Edible Oils: A Review. <i>Analytical Letters</i> , 2012 , 45, 625-641	2.2	24

24	Adaptive use of bubble wrap for storing liquid samples and performing analytical assays. <i>Analytical Chemistry</i> , 2014 , 86, 7478-85	7.8	23
23	Development of a generic assay for the determination of total trihydroxybenzoate derivatives based on gold-luminol chemiluminescence. <i>Analytica Chimica Acta</i> , 2013 , 764, 70-7	6.6	20
22	Comparative study of the AT ₁ receptor prodrug antagonist candesartan cilexetil with other sartans on the interactions with membrane bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 3107-20	3.8	18
21	Evaluation of antioxidant activity of hydrophilic and lipophilic compounds in edible oils by a novel fluorimetric method. <i>Talanta</i> , 2011 , 84, 874-80	6.2	18
20	Paper-based devices for biothiols sensing using the photochemical reduction of silver halides. <i>Analytica Chimica Acta</i> , 2018 , 1036, 89-96	6.6	17
19	Fabrication of Paper-Templated Structures of Noble Metals. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600229	6.8	16
18	An automatic FIA-CL method for the determination of antioxidant activity of edible oils based on peroxyoxalate chemiluminescence. <i>Microchemical Journal</i> , 2015 , 118, 73-79	4.8	15
17	Development of a CP 31P NMR broadline simulation methodology for studying the interactions of antihypertensive AT ₁ antagonist losartan with phospholipid bilayers. <i>Biophysical Journal</i> , 2009 , 96, 2227-36	2.9	15
16	Evaluation of total reducing power of edible oils. <i>Talanta</i> , 2014 , 130, 233-40	6.2	14
15	Development of a chemiluminescent method for the evaluation of total hydroperoxide content of edible oils. <i>Food Research International</i> , 2013 , 54, 2069-2074	7	13
14	Determination of phenolic compounds using spectral and color transitions of rhodium nanoparticles. <i>Analytica Chimica Acta</i> , 2016 , 932, 80-7	6.6	13
13	Calibrant-loaded paper-based analytical devices for standard addition quantitative assays. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 860-867	8.5	12
12	Determination of Total Antioxidant Activity of Edible Oils as well as Their Aqueous and Organic Extracts by Chemiluminescence. <i>Food Analytical Methods</i> , 2011 , 4, 475-484	3.4	12
11	A Family of Ru(II) Photosensitizers with High Singlet Oxygen Quantum Yield: Synthesis, Characterization, and Evaluation. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4628-4635	2.3	11
10	Classification of Wines Based on Different Antioxidant Responses to Spectrophotometric Analytical Methods. <i>Analytical Letters</i> , 2012 , 45, 581-591	2.2	5
9	Inexpensive, Three-Dimensional, Open-Cell, Fluid-Permeable, Noble-Metal Electrodes for Electroanalysis and Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45582-45589	9.5	2
8	Paper Actuators: Electrically Activated Paper Actuators (Adv. Funct. Mater. 15/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 2398-2398	15.6	2
7	Can Sweat Sensors Detect Common Diseases? A Simple Sweat Patch May Soon Achieve It. <i>Clinical Chemistry</i> , 2019 , 65, 1073-1075	5.5	1

6	High-Throughput Flow-Through Direct Immunoassays for Targeted Bacteria Detection. <i>Analytical Chemistry</i> , 2021 , 93, 14586-14592	7.8	1
5	Wearable Thermoelectric Devices Based on Three-Dimensional PEDOT:Tosylate/Cul Paper Composites. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46919-46926	9.5	1
4	Sink/Float Magnetic Immunoassays for In-Field Bioassays. <i>Angewandte Chemie</i> , 2021 , 133, 27153	3.6	0
3	Sink/Float Magnetic Immunoassays for In-Field Bioassays. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26947	16.4	0
2	High-performance thermoelectric fabric based on PEDOT:Tosylate/Cul. <i>Applied Materials Today</i> , 2021 , 25, 101180	6.6	0
1	Flow-through electrochemical immunoassay for targeted bacteria detection. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130965	8.5	