

# Flavio C Bedatty Fernandes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2356140/publications.pdf>

Version: 2024-02-01

19  
papers

646  
citations

623188

14  
h-index

839053

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of surface roughness on the self-assembling of molecular films onto gold electrodes for label-free biosensing applications. <i>Electrochimica Acta</i> , 2021, 378, 138137.	2.6	15
2	Pseudocapacitance phenomena and applications in biosensing devices. <i>Electrochimica Acta</i> , 2019, 306, 175-184.	2.6	21
3	A nanoscale redox-active composite as a low-fouling interface for capacitive assaying. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 493-501.	4.0	11
4	Field effect in molecule-gated switches and the role of target-to-receptor size ratio in biosensor sensitivity. <i>Biosensors and Bioelectronics</i> , 2019, 127, 215-220.	5.3	15
5	Reagentless Detection of Low-Molecular-Weight Triamterene Using Self-Doped TiO <sub>2</sub> Nanotubes. <i>Analytical Chemistry</i> , 2018, 90, 7651-7658.	3.2	17
6	Mesoscopic behaviour of multi-layered graphene: the meaning of supercapacitance revisited. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6792-6806.	1.3	20
7	Quantum capacitance as a reagentless molecular sensing element. <i>Nanoscale</i> , 2017, 9, 15362-15370.	2.8	34
8	Optimized electrochemical biosensor for human prostatic acid phosphatase. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1106-1112.	4.0	11
9	The capacitive sensing of NS1 Flavivirus biomarker. <i>Biosensors and Bioelectronics</i> , 2017, 87, 949-956.	5.3	80
10	Optimized Diagnostic Assays Based on Redox Tagged Bioreceptive Interfaces. <i>Analytical Chemistry</i> , 2015, 87, 12137-12144.	3.2	29
11	Graphene-based protein biomarker detection. <i>Bioanalysis</i> , 2015, 7, 725-742.	0.6	26
12	An impedimetric biosensor to test neat serum for dengue diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 150-154.	4.0	74
13	Impedance Electroanalysis in Diagnostics. <i>Analytical Chemistry</i> , 2015, 87, 944-950.	3.2	35
14	Screening and determination of sulphonamide residues in bovine milk samples using a flow injection system. <i>Food Chemistry</i> , 2015, 166, 309-315.	4.2	15
15	Comparing label free electrochemical impedimetric and capacitive biosensing architectures. <i>Biosensors and Bioelectronics</i> , 2014, 57, 96-102.	5.3	77
16	Label-free Capacitive Diagnostics: Exploiting Local Redox Probe State Occupancy. <i>Analytical Chemistry</i> , 2014, 86, 2559-2564.	3.2	67
17	Label free redox capacitive biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 50, 437-440.	5.3	74
18	A simple and green analytical method for determination of glyphosate in commercial formulations and water by diffuse reflectance spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1881-1885.	2.0	25

#	ARTICLE	IF	CITATIONS
19	A SIMPLE SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF TETRACYCLINE AND DOXYCYCLINE IN PHARMACEUTICAL FORMULATIONS USING CHLORAMINE-T. <i>Eletica Quimica</i> , 0, 35, 139.	0.2	0