Petar Kassal

List of Publications by Year in descending order

18 papers	1,021 citations	623734 14 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	1562 citing authors

#	Article	IF	Citations
1	Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. Electrochemistry Communications, 2015, 56, 6-10.	4.7	244
2	Wireless chemical sensors and biosensors: A review. Sensors and Actuators B: Chemical, 2018, 266, 228-245.	7.8	232
3	Smart bandage with wireless connectivity for optical monitoring of pH. Sensors and Actuators B: Chemical, 2017, 246, 455-460.	7.8	89
4	System Architectures in Wearable Electrochemical Sensors. Electroanalysis, 2016, 28, 1149-1169.	2.9	82
5	Wireless smart tag with potentiometric input for ultra low-power chemical sensing. Sensors and Actuators B: Chemical, 2013, 184, 254-259.	7.8	69
6	A wireless potentiostat for mobile chemical sensing and biosensing. Talanta, 2015, 143, 178-183.	5.5	63
7	Benzimidazole functionalised Schiff bases: Novel pH sensitive fluorescence turn-on chromoionophores for ion-selective optodes. Sensors and Actuators B: Chemical, 2018, 258, 415-423.	7.8	47
8	Benzimidazole as a structural unit in fluorescent chemical sensors: the hidden properties of a multifunctional heterocyclic scaffold. Supramolecular Chemistry, 2018, 30, 838-857.	1.2	43
9	Miniaturised wireless smart tag for optical chemical analysis applications. Talanta, 2014, 118, 375-381.	5.5	29
10	Hybrid solâ€“gel thin films doped with a pH indicator: effect of organic modification on optical pH response and film surface hydrophilicity. Journal of Sol-Gel Science and Technology, 2014, 69, 586-595.	2.4	24
11	Wireless and mobile optical chemical sensors and biosensors. Reviews in Analytical Chemistry, 2018, 37, .	3.2	23
12	Wireless fluorimeter for mobile and low cost chemical sensing: A paper based chloride assay. Sensors and Actuators B: Chemical, 2018, 275, 230-236.	7.8	20
13	Paper-based ion-selective optodes for continuous sensing: Reversible potassium ion monitoring. Talanta, 2019, 193, 51-55.	5.5	20
14	Combined Chemical and Thermal Sintering for High Conductivity Inkjet-printed Silver Nanoink on Flexible Substrates. Chemical and Biochemical Engineering Quarterly, 2019, 33, 377-384.	0.9	14
15	Recent Advances in (Bio)Chemical Sensors for Food Safety and Quality Based on Silver Nanomaterials. Food Technology and Biotechnology, 2021, 59, 216-237.	2.1	7
16	Electrochemical and spectroscopic characterization of AgNP suspension stability influenced by strong inorganic acids. Electrochimica Acta, 2021, 377, 138126.	5.2	6
17	Fabrication of an All-Solid-State Ammonium Paper Electrode Using a Graphite-Polyvinyl Butyral Transducer Layer. Chemosensors, 2021, 9, 333.	3.6	6
18	Spectroscopic and Computational Study of the Protonation Equilibria of Amino-Substituted benzo[b]thieno[2,3-b]pyrido[1,2-a]benzimidazoles as Novel pH-Sensing Materials. Chemosensors, 2022, 10, 21.	3.6	3