Roshan Khadka

List of Publications by Year
in descending order

17	200	1040056 9	1058476 14
papers	citations	h-index	g-index

17	17	17	215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An ultrasensitive electrochemical impedance-based biosensor using insect odorant receptors to detect odorants. Biosensors and Bioelectronics, 2019, 126, 207-213.	10.1	60
2	Enhancement of polypyrrole linear actuation with poly(ethylene oxide). Synthetic Metals, 2017, 232, 1-7.	3.9	21
3	Synergistic improvement in the performance of insect odorant receptor based biosensors in the presence of Orco. Biosensors and Bioelectronics, 2020, 153, 112040.	10.1	20
4	Influence of base inhibitor and surfactant on the electrical and physicochemical properties of PEDOT-SiO2 hybrid conductive films. Macromolecular Research, 2015, 23, 559-565.	2.4	14
5	Investigating Electrochemical Stability and Reliability of Gold Electrodeâ€electrolyte Systems to Develop Bioelectronic Nose Using Insect Olfactory Receptor. Electroanalysis, 2019, 31, 726-738.	2.9	13
6	Highly porous, soft, and flexible vapor-phase polymerized polypyrroleâ€“styreneâ€“ethyleneâ€“butyleneâ€“styrene hybrid scaffold as ammonia and strain sensor. RSC Advances, 2020, 10, 22533-22541.	3.6	12
7	Role of polyethylene oxide content in polypyrrole linear actuators. Materials Today Communications, 2020, 23, 100908.	1.9	11
8	A comparative study between vapor phase polymerized PPy and PEDOT - Thermoplastic polyurethane composites for ammonia sensing. Polymer, 2021, 217, 123463.	3.8	11
9	Polymer electronic composites that heal by solvent vapour. RSC Advances, 2016, 6, 98466-98474.	3.6	10
10	Influence of solvent on linear polypyrroleâ€“polyethylene oxide actuators. Journal of Applied Polymer Science, 2018, 135, 46831.	2.6	9
11	Insect odorant receptor nanodiscs for sensitive and specific electrochemical detection of odorant compounds. Sensors and Actuators B: Chemical, 2021, 329, 129243.	7.8	7
12	Data on preparation and characterization of an insect odorant receptor based biosensor. Data in Brief, 2018, 21, 2142-2148.	1.0	6
13	Poly(ethylene oxide) in polypyrrole doped dodecylbenzenesulfonate: characterisation and linear actuation. International Journal of Nanotechnology, 2018, 15, 689.	0.2	2
14	Effect of Imidazole and Surfactant on the Opto-Electrical Properties of PEDOT Thin Films via Vapor Phase Polymerization. Porrime, 2015, 39, 461-467.	0.2	2
15	Electromechanically Durable Graphene Oxide-Embedded Elastomer via Simultaneous Corporation of Siloxane/Polyol Based on the Dual Secondary Bond Architecture. ACS Applied Polymer Materials, 2022, 4, 2614-2625.	4.4	2
16	Single-molecule Alkylation of Isoparaffin Using Peroxide Initiator for Making Synthetic Lubricant. Porrime, 2014, 38, 496-501.	0.2	0
17	Polypyrrole polymerized in polyethylene oxide: linear actuation in organic and aqueous electrolytes. , 2018, , .		0