

Edson Nossol

List of Publications by Year in Descending Order

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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.

42
papers

1,079
citations

18
h-index

32
g-index

48
ext. papers

1,340
ext. citations

5.6
avg, IF

4.82
L-index

#	Paper	IF	Citations
42	Prussian blue-modified laser-induced graphene platforms for detection of hydrogen peroxide.. <i>Mikrochimica Acta</i> , 2022 , 189, 188	5.8	1
41	Multifunctional spinel MnCo ₂ O ₄ based materials for energy storage and conversion: a review on emerging trends, recent developments and future perspectives. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3095-3124	13	31
40	Al ₂ O ₃ microparticles immobilized on glassy-carbon electrode as catalytic sites for the electrochemical oxidation and high detectability of naproxen: Experimental and simulation insights. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 882, 114988	4.1	5
39	Reactive oxygen plasma treatment of 3D-printed carbon electrodes towards high-performance electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2021 , 347, 130651	8.5	5
38	Electrochemical detection of 2,4,6-trinitrotoluene on carbon nanotube modified electrode: Effect of acid functionalization. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 121-129	2.6	13
37	In situ electrochemical exfoliation of embedded graphite to superficial graphene sheets for electroanalytical purposes. <i>Electrochimica Acta</i> , 2020 , 354, 136762	6.7	4
36	Electrochemical synthesis of reduced graphene oxide/ruthenium oxide hexacyanoferrate nanocomposite film and its application for ranitidine detection. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114558	4.1	3
35	Critical evaluation of voltammetric techniques for antioxidant capacity and activity: Presence of alumina on glassy-carbon electrodes alters the results. <i>Electrochimica Acta</i> , 2020 , 358, 136925	6.7	11
34	Reduced graphene oxide/multi-walled carbon nanotubes/prussian blue nanocomposites for amperometric detection of strong oxidants. <i>Materials Chemistry and Physics</i> , 2020 , 250, 123011	4.4	16
33	One step microwave-hydrothermal synthesis of rGO/TiO ₂ nanocomposites for enhanced electrochemical oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2020 , 44, 6825-6832	3.6	11
32	Effect of alumina supported on glassy-carbon electrode on the electrochemical reduction of 2,4,6-trinitrotoluene: A simple strategy for its selective detection. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 851, 113385	4.1	8
31	Tuning electrochemical and morphological properties of Prussian blue/carbon nanotubes films through scan rate in cyclic voltammetry. <i>Solid State Ionics</i> , 2019 , 338, 5-11	3.3	7
30	3D-printed flexible device combining sampling and detection of explosives. <i>Sensors and Actuators B: Chemical</i> , 2019 , 292, 308-313	8.5	54
29	Self-Recharging Reduced Graphene Oxide-Prussian Blue Electrodes for Transparent Batteries. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2241-2249	5.6	10
28	Joint Theoretical and Experimental Study on the La Doping Process in InO: Phase Transition and Electrocatalytic Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 11738-11750	5.1	15
27	Improved electrochemical performance of pyrolytic graphite paper: Electrochemical versus reactive cold-plasma activation. <i>Electrochemistry Communications</i> , 2019 , 105, 106497	5.1	8
26	Evaluation of graphite sheets for production of high-quality disposable sensors. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 833, 560-567	4.1	13

25	Investigation on acid functionalization of double-walled carbon nanotubes of different lengths on the development of amperometric sensors. <i>Electrochimica Acta</i> , 2019 , 299, 762-771	6.7	13
24	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. <i>ChemElectroChem</i> , 2019 , 6, 1508-1513	4.3	2
23	Carbon nanotube/reduced graphene oxide thin-film nanocomposite formed at liquid-liquid interface: Characterization and potential electroanalytical applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 293-303	8.5	20
22	Influence of Al ₂ O ₃ nanoparticles structure immobilized upon glassy-carbon electrode on the electrocatalytic oxidation of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 646-654	8.5	19
21	Chemically versus electrochemically reduced graphene oxide: Improved amperometric and voltammetric sensors of phenolic compounds on higher roughness surfaces. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 701-708	8.5	41
20	Highly-sensitive voltammetric detection of trinitrotoluene on reduced graphene oxide/carbon nanotube nanocomposite sensor. <i>Analytica Chimica Acta</i> , 2018 , 1035, 14-21	6.6	22
19	3D printing for electroanalysis: From multiuse electrochemical cells to sensors. <i>Analytica Chimica Acta</i> , 2018 , 1033, 49-57	6.6	125
18	Characterization and electrochemical performance of CeO ₂ and Eu-doped CeO ₂ films as a manganese redox flow battery component. <i>Journal of Rare Earths</i> , 2018 , 36, 1074-1083	3.7	13
17	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. <i>Electrochimica Acta</i> , 2017 , 240, 80-89	6.7	21
16	Effect of light source and applied potential in the electrochemical synthesis of Prussian blue on carbon nanotubes. <i>Electrochimica Acta</i> , 2017 , 251, 513-521	6.7	11
15	Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. <i>Electroanalysis</i> , 2017 , 29, 2418-2422	3	17
14	rGO-ZnO nanocomposites for high electrocatalytic effect on water oxidation obtained by microwave-hydrothermal method. <i>Applied Surface Science</i> , 2017 , 423, 743-751	6.7	42
13	Carbon nanotube/Prussian blue thin films as cathodes for flexible, transparent and ITO-free potassium secondary battery. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 107-116	9.3	54
12	Size effects of multi-walled carbon nanotubes on the electrochemical oxidation of propionic acid derivative drugs: Ibuprofen and naproxen. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 775, 342-349	4.1	23
11	Non-Synergistic UV-A Photocatalytic Degradation of Estrogens by Nano-TiO ₂ Supported on Activated Carbon. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	2
10	Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. <i>Electrochimica Acta</i> , 2015 , 176, 36-43	6.7	39
9	Carbon nanotube/Prussian blue paste electrodes: Characterization and study of key parameters for application as sensors for determination of low concentration of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 782-790	8.5	46
8	Synthesis, characterization and morphology of reduced graphene oxide-metal/CNQ nanocomposites. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 870-878	7.1	38

7	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13157-13167	3.8	14
6	Carbon nanotube/Prussian blue nanocomposite film as a new electrode material for environmental treatment of water samples. <i>RSC Advances</i> , 2013 , 3, 5393	3.7	16
5	Electrochromic properties of carbon nanotubes/Prussian blue nanocomposite films. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 109, 40-46	6.4	48
4	Transparent films from carbon nanotubes/Prussian blue nanocomposites: preparation, characterization, and application as electrochemical sensors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1824-1833		59
3	A Simple and Innovative Route to Prepare a Novel Carbon Nanotube/Prussian Blue Electrode and its Utilization as a Highly Sensitive H ₂ O ₂ Amperometric Sensor. <i>Advanced Functional Materials</i> , 2009 , 19, 3980-3986	15.6	144
2	Carbon paste electrodes made from novel carbonaceous materials: Preparation and electrochemical characterization. <i>Electrochimica Acta</i> , 2008 , 54, 582-589	6.7	21
1	Feasible strategies to promote the sensing performances of spinel MCo ₂ O ₄ (M = Ni, Fe, Mn, Cu and Zn) based electrochemical sensors: a review. <i>Journal of Materials Chemistry C</i> ,	7.1	11