Rita Meunier-Prest

List of Publications by Year
in descending order

30	617	516710 16	610901 24
papers	citations	h-index	g-index

30	30	30	684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance of interdigitated nanoelectrodes for electrochemical DNA biosensor. Ultramicroscopy, 2003, 97, 441-449.	1.9	52
2	Direct measurement of the melting temperature of supported DNA by electrochemical method. Nucleic Acids Research, 2003, 31, 150e-150.	14.5	40
3	Organic Heterojunction Devices Based on Phthalocyanines: A New Approach to Gas Chemosensing. Sensors, 2020, 20, 4700.	3.8	40
4	DNA nanofilm thickness measurement on microarray in air and in liquid using an atomic force microscope. Biosensors and Bioelectronics, 2005, 21, 627-636.	10.1	37
5	Potential-assisted deposition of mixed alkanethiol self-assembled monolayers. Electrochimica Acta, 2010, 55, 2712-2720.	5.2	33
6	Low Conductive Electrodeposited Poly(2,5-dimethoxyaniline) as a Key Material in a Double Lateral Heterojunction, for Sub-ppm Ammonia Sensing in Humid Atmosphere. ACS Sensors, 2019, 4, 740-747.	7.8	33
7	Ferrocenyl glycopeptides as electrochemical probes to detect autoantibodies in multiple sclerosis patients' sera. Biopolymers, 2008, 90, 488-495.	2.4	32
8	Molecular Engineering of Porphyrinâ€Tapes/Phthalocyanine Heterojunctions for a Highly Sensitive Ammonia Sensor. Advanced Electronic Materials, 2020, 6, 2000812.	5.1	31
9	Modulating the Electrical Properties of Organic Heterojunction Devices Based On Phthalocyanines for Ambipolar Sensors. ACS Sensors, 2020, 5, 1849-1857.	7.8	31
10	Tuning of organic heterojunction conductivity by the substituentsâ€™ electronic effects in phthalocyanines for ambipolar gas sensors. Sensors and Actuators B: Chemical, 2021, 332, 129505.	7.8	26
11	Electrochemical probe for the monitoring of DNAâ€“protein interactions. Biosensors and Bioelectronics, 2010, 25, 2598-2602.	10.1	25
12	Comprehensive Study of Poly(2,3,5,6-tetrafluoroaniline): From Electrosynthesis to Heterojunctions and Ammonia Sensing. ACS Applied Materials & Interfaces, 2018, 10, 19974-19986.	8.0	24
13	Tuning of interfacial charge transport in polyporphine/phthalocyanine heterojunctions by molecular geometry control for an efficient gas sensor. Chemical Engineering Journal, 2022, 429, 132453.	12.7	23
14	Modulation of the organic heterojunction behavior, from electrografting to enhanced sensing properties. Sensors and Actuators B: Chemical, 2019, 299, 126968.	7.8	22
15	New n-type molecular semiconductorâ€“doped insulator (MSDI) heterojunctions combining a triphenodioxazine (TPDO) and the lutetium bisphthalocyanine (LuPc2) for ammonia sensing. Sensors and Actuators B: Chemical, 2018, 255, 1694-1700.	7.8	21
16	On the interest of ambipolar materials for gas sensing. Sensors and Actuators B: Chemical, 2018, 258, 657-664.	7.8	20
17	Measurements of thickness dispersion in biolayers by scanning force microscopy and comparison with spectroscopic ellipsometry analysis. Ultramicroscopy, 2007, 107, 1111-1117.	1.9	17
18	Proton coupled electron transfer of ubiquinone Q2 incorporated in a self-assembled monolayer. Physical Chemistry Chemical Physics, 2011, 13, 13327.	2.8	16

#	Article	IF	Citations
19	Electrochemistry of methylene blue at an alkanethiol modified electrode. Electrochimica Acta, 2012, 75, 387-392.	5.2	16
20	Covalent grafting of aryls to modulate the electrical properties of phthalocyanine-based heterostructures: Application to ammonia sensing. Chemical Engineering Journal, 2022, 436, 135207.	12.7	14
21	[60]Fullerene <scp>l</scp>-Amino Acids and Peptides: Synthesis under Phase-Transfer Catalysis Using a Phosphineâ€“Borane Linker. Electrochemical Behavior. Journal of Organic Chemistry, 2017, 82, 11358-11369.	3.2	11
22	Alkylthio-tetrasubstituted Î¼-Nitrido Diiron Phthalocyanines: Spectroelectrochemistry, Electrical Properties, and Heterojunctions for Ammonia Sensing. Inorganic Chemistry, 2020, 59, 1057-1067.	4.0	11
23	Interplay of electrode geometry and bias on charge transport in organic heterojunction gas sensors. Sensors and Actuators B: Chemical, 2022, 369, 132313.	7.8	11
24	Electrochemical detection of the 2-isobutyl-3-methoxypyrazine model odorant based on odorant-binding proteins: The proof of concept. Bioelectrochemistry, 2015, 101, 28-34.	4.6	10
25	Photon assisted-inversion of majority charge carriers in molecular semiconductor-based organic heterojunctions. Journal of Materials Chemistry C, 2021, 9, 5008-5020.	5.5	7
26	Proton Transfer versus Hydrogen Bonding: The Reduction of Ubiquinoneâ€…Q₂ Incorporated in a Selfâ€Assembled Monolayer in Unbuffered Aqueous Solution. ChemElectroChem, 2014, 1, 2116-2123.	3.4	5
27	p-Type and n-type conductometric behaviors of octachloro-metallophthalocyanine-based heterojunctions, the key role of the metal. Journal of Porphyrins and Phthalocyanines, 2020, 24, 750-757.	0.8	5
28	Mass Transport in Nanoporous Gold and Correlation with Surface Pores for EC 1 Mechanism: Case of Ascorbic Acid. ChemElectroChem, 2021, 8, 2129-2136.	3.4	3
29	Series of charge transfer complexes obtained as crystals in a confined environment. CrystEngComm, 2021, 23, 6418-6426.	2.6	1
30	Electrochemical and Spectroelectrochemical Behavior of a Tetracyanotriphenodioxazine in Solution and Thinâ€Films. ChemElectroChem, 2018, 5, 2863-2872.	3.4	0