

Rita Meunier-Prest

List of Publications by Year in descending order

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papers

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citations

516710

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citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of interfacial charge transport in polyporphine/phthalocyanine heterojunctions by molecular geometry control for an efficient gas sensor. <i>Chemical Engineering Journal</i> , 2022, 429, 132453.	12.7	23
2	Covalent grafting of aryls to modulate the electrical properties of phthalocyanine-based heterostructures: Application to ammonia sensing. <i>Chemical Engineering Journal</i> , 2022, 436, 135207.	12.7	14
3	Interplay of electrode geometry and bias on charge transport in organic heterojunction gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132313.	7.8	11
4	Photon assisted-inversion of majority charge carriers in molecular semiconductor-based organic heterojunctions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5008-5020.	5.5	7
5	Series of charge transfer complexes obtained as crystals in a confined environment. <i>CrystEngComm</i> , 2021, 23, 6418-6426.	2.6	1
6	Tuning of organic heterojunction conductivity by the substituents'™ electronic effects in phthalocyanines for ambipolar gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129505.	7.8	26
7	Mass Transport in Nanoporous Gold and Correlation with Surface Pores for EC 1 Mechanism: Case of Ascorbic Acid. <i>ChemElectroChem</i> , 2021, 8, 2129-2136.	3.4	3
8	<i>p</i> -Type and <i>n</i> -type conductometric behaviors of octachloro-metallophthalocyanine-based heterojunctions, the key role of the metal. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 750-757.	0.8	5
9	Alkylthio-tetrasubstituted $\frac{1}{4}$ -Nitrido Diiron Phthalocyanines: Spectroelectrochemistry, Electrical Properties, and Heterojunctions for Ammonia Sensing. <i>Inorganic Chemistry</i> , 2020, 59, 1057-1067.	4.0	11
10	Organic Heterojunction Devices Based on Phthalocyanines: A New Approach to Gas Chemosensing. <i>Sensors</i> , 2020, 20, 4700.	3.8	40
11	Molecular Engineering of Porphyrin/Tapes/Phthalocyanine Heterojunctions for a Highly Sensitive Ammonia Sensor. <i>Advanced Electronic Materials</i> , 2020, 6, 2000812.	5.1	31
12	Modulating the Electrical Properties of Organic Heterojunction Devices Based On Phthalocyanines for Ambipolar Sensors. <i>ACS Sensors</i> , 2020, 5, 1849-1857.	7.8	31
13	Modulation of the organic heterojunction behavior, from electrografting to enhanced sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126968.	7.8	22
14	Low Conductive Electrodeposited Poly(2,5-dimethoxyaniline) as a Key Material in a Double Lateral Heterojunction, for Sub-ppm Ammonia Sensing in Humid Atmosphere. <i>ACS Sensors</i> , 2019, 4, 740-747.	7.8	33
15	On the interest of ambipolar materials for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 657-664.	7.8	20
16	New n-type molecular semiconductor-doped insulator (MSDI) heterojunctions combining a triphenodioxazine (TPDO) and the lutetium bisphthalocyanine (LuPc2) for ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1694-1700.	7.8	21
17	Electrochemical and Spectroelectrochemical Behavior of a Tetracyanotriphenodioxazine in Solution and Thin-Films. <i>ChemElectroChem</i> , 2018, 5, 2863-2872.	3.4	0
18	Comprehensive Study of Poly(2,3,5,6-tetrafluoroaniline): From Electrosynthesis to Heterojunctions and Ammonia Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19974-19986.	8.0	24

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19	[60] Fullerene <sc> </sc>-Amino Acids and Peptides: Synthesis under Phase-Transfer Catalysis Using a Phosphineâ€“Borane Linker. <i>Electrochemical Behavior. Journal of Organic Chemistry</i> , 2017, 82, 11358-11369.	3.2	11
20	Electrochemical detection of the 2-isobutyl-3-methoxypyrazine model odorant based on odorant-binding proteins: The proof of concept. <i>Bioelectrochemistry</i> , 2015, 101, 28-34.	4.6	10
21	Proton Transfer versus Hydrogen Bonding: The Reduction of Ubiquinoneâ€“Q₂ Incorporated in a Selfâ€“Assembled Monolayer in Unbuffered Aqueous Solution. <i>ChemElectroChem</i> , 2014, 1, 2116-2123.	3.4	5
22	Electrochemistry of methylene blue at an alkanethiol modified electrode. <i>Electrochimica Acta</i> , 2012, 75, 387-392.	5.2	16
23	Proton coupled electron transfer of ubiquinone Q2 incorporated in a self-assembled monolayer. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13327.	2.8	16
24	Potential-assisted deposition of mixed alkanethiol self-assembled monolayers. <i>Electrochimica Acta</i> , 2010, 55, 2712-2720.	5.2	33
25	Electrochemical probe for the monitoring of DNAâ€“protein interactions. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2598-2602.	10.1	25
26	Ferrocenyl glycopeptides as electrochemical probes to detect autoantibodies in multiple sclerosis patients' sera. <i>Biopolymers</i> , 2008, 90, 488-495.	2.4	32
27	Measurements of thickness dispersion in bilayers by scanning force microscopy and comparison with spectroscopic ellipsometry analysis. <i>Ultramicroscopy</i> , 2007, 107, 1111-1117.	1.9	17
28	DNA nanofilm thickness measurement on microarray in air and in liquid using an atomic force microscope. <i>Biosensors and Bioelectronics</i> , 2005, 21, 627-636.	10.1	37
29	Performance of interdigitated nanoelectrodes for electrochemical DNA biosensor. <i>Ultramicroscopy</i> , 2003, 97, 441-449.	1.9	52
30	Direct measurement of the melting temperature of supported DNA by electrochemical method. <i>Nucleic Acids Research</i> , 2003, 31, 150e-150.	14.5	40