Claire Mangeney

List of Publications by Year
in descending order

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31	1,453	361413 20	434195 31
papers	citations	h-index	g-index

32	32	32	2209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SERS tags derived from silver nanoparticles and aryl diazonium salts for cell Raman imaging. Nanoscale, 2022, 14, 1452-1458.	5.6	4
2	Recent advances in nonâ€plasmonic surfaceâ€enhanced Raman spectroscopy nanostructures for biomedical applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1795.	6.1	5
3	Efficient construction of a redox responsive thin polymer layer on glassy carbon and gold surfaces for voltage-gated delivery applications. Materials Advances, 2021, 2, 2358-2365.	5.4	6
4	Surface functionalization of nanomaterials by aryl diazonium salts for biomedical sciences. Advances in Colloid and Interface Science, 2021, 294, 102479.	14.7	20
5	Three-color plasmon-mediated reduction of diazonium salts over metasurfaces. Nanoscale Advances, 2021, 3, 2501-2507.	4.6	2
6	Electrografting and Langmuirâ€“Blodgett: Covalently Bound Nanometer-Thick Ordered Films on Graphite. Langmuir, 2021, 37, 12539-12547.	3.5	1
7	Sensing Polymer/Paracetamol Interaction with an Independent Component Analysis-Based SERS-MIP Nanosensor. Plasmonics, 2020, 15, 1533-1539.	3.4	13
8	Raman reporters derived from aryl diazonium salts for SERS encoded-nanoparticles. Chemical Communications, 2020, 56, 6822-6825.	4.1	27
9	Plasmon-Mediated Surface Functionalization: New Horizons for the Control of Surface Chemistry on the Nanoscale. Chemistry of Materials, 2020, 32, 5442-5454.	6.7	36
10	Simultaneous Photografting of Two Organic Groups on a Gold Surface by using Arylazo Sulfones as Single Precursors. Langmuir, 2020, 36, 2786-2793.	3.5	14
11	Dynamic Plasmonic Platform To Investigate the Correlation between Far-Field Optical Response and SERS Signal of Analytes. ACS Omega, 2019, 4, 1144-1150.	3.5	20
12	Multi-functionalization of lithographically designed gold nanodisks by plasmon-mediated reduction of aryl diazonium salts. Nanoscale Horizons, 2018, 3, 53-57.	8.0	33
13	Tunable platforms by coupling gold nanorectangles and pNIPAM for surface-enhanced Raman scattering. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 035013.	1.5	3
14	Micro-patterned anti-icing coatings with dual hydrophobic/hydrophilic properties. Journal of Materials Chemistry A, 2018, 6, 19353-19357.	10.3	30
15	Alkyl-Modified Gold Surfaces: Characterization of the Auâ€“C Bond. Langmuir, 2018, 34, 11264-11271.	3.5	26
16	Diazonium salt chemistry for the design of nano-textured anti-icing surfaces. Chemical Communications, 2018, 54, 8983-8986.	4.1	16
17	Regioselective surface functionalization of lithographically designed gold nanorods by plasmon-mediated reduction of aryl diazonium salts. Chemical Communications, 2017, 53, 11364-11367.	4.1	29
18	Looking for Synergies in Molecular Plasmonics through Hybrid Thermoresponsive Nanostructures. Chemistry of Materials, 2016, 28, 3564-3577.	6.7	48

#	Article	IF	Citations
19	Plasmon-mediated chemical surface functionalization at the nanoscale. Nanoscale, 2016, 8, 8633-8640.	5.6	25
20	Nanoplasmonic heating and sensing to reveal the dynamics of thermoresponsive polymer brushes. Applied Physics Letters, 2015, 107, .	3.3	10
21	Grafting of polymeric platforms on gold by combining the diazonium salt chemistry and the photoiniferter method. Polymer, 2015, 57, 12-20.	3.8	23
22	Engineering Thermoswitchable Lithographic Hybrid Gold Nanorods as Plasmonic Devices for Sensing and Active Plasmonics Applications. ACS Photonics, 2015, 2, 1199-1208.	6.6	41
23	Nanocomposites of Gold Nanoparticles@Molecularly Imprinted Polymers: Chemistry, Processing, and Applications in Sensors. Chemistry of Materials, 2015, 27, 5464-5478.	6.7	161
24	Water-soluble plasmonic nanosensors with synthetic receptors for label-free detection of folic acid. Chemical Communications, 2015, 51, 9678-9681.	4.1	42
25	Tunable Electromagnetic Coupling in Plasmonic Nanostructures Mediated by Thermoresponsive Polymer Brushes. Langmuir, 2015, 31, 12830-12837.	3.5	28
26	Tailoring the Surface Chemistry of Gold Nanorods through Auâ€“C/Agâ€“C Covalent Bonds Using Aryl Diazonium Salts. Journal of Physical Chemistry C, 2014, 118, 19098-19105.	3.1	54
27	Functionalization of Aluminum Nanoparticles Using a Combination of Aryl Diazonium Salt Chemistry and Iniferter Method. Journal of Physical Chemistry C, 2013, 117, 26000-26006.	3.1	56
28	Design and Optical Properties of Active Polymer-Coated Plasmonic Nanostructures. Journal of Physical Chemistry Letters, 2011, 2, 926-931.	4.6	58
29	Aryl diazonium salts: a new class of coupling agents for bonding polymers, biomacromolecules and nanoparticles to surfaces. Chemical Society Reviews, 2011, 40, 4143.	38.1	442
30	Thermo-induced Electromagnetic Coupling in Gold/Polymer Hybrid Plasmonic Structures Probed by Surface-Enhanced Raman Scattering. ACS Nano, 2010, 4, 6491-6500.	14.6	119
31	A General Approach Combining Diazonium Salts and Click Chemistries for Gold Surface Functionalization by Nanoparticle Assemblies. Langmuir, 2010, 26, 3975-3980.	3.5	61