

# Claire Mangeney

## List of Publications by Year in descending order

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31  
papers

1,453  
citations

361413

20  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aryl diazonium salts: a new class of coupling agents for bonding polymers, biomacromolecules and nanoparticles to surfaces. <i>Chemical Society Reviews</i> , 2011, 40, 4143.	38.1	442
2	Nanocomposites of Gold Nanoparticles@Molecularly Imprinted Polymers: Chemistry, Processing, and Applications in Sensors. <i>Chemistry of Materials</i> , 2015, 27, 5464-5478.	6.7	161
3	Thermo-induced Electromagnetic Coupling in Gold/Polymer Hybrid Plasmonic Structures Probed by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2010, 4, 6491-6500.	14.6	119
4	A General Approach Combining Diazonium Salts and Click Chemistries for Gold Surface Functionalization by Nanoparticle Assemblies. <i>Langmuir</i> , 2010, 26, 3975-3980.	3.5	61
5	Design and Optical Properties of Active Polymer-Coated Plasmonic Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 926-931.	4.6	58
6	Functionalization of Aluminum Nanoparticles Using a Combination of Aryl Diazonium Salt Chemistry and Iniferter Method. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26000-26006.	3.1	56
7	Tailoring the Surface Chemistry of Gold Nanorods through Au-C/Ag-C Covalent Bonds Using Aryl Diazonium Salts. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19098-19105.	3.1	54
8	Looking for Synergies in Molecular Plasmonics through Hybrid Thermoresponsive Nanostructures. <i>Chemistry of Materials</i> , 2016, 28, 3564-3577.	6.7	48
9	Water-soluble plasmonic nanosensors with synthetic receptors for label-free detection of folic acid. <i>Chemical Communications</i> , 2015, 51, 9678-9681.	4.1	42
10	Engineering Thermoswitchable Lithographic Hybrid Gold Nanorods as Plasmonic Devices for Sensing and Active Plasmonics Applications. <i>ACS Photonics</i> , 2015, 2, 1199-1208.	6.6	41
11	Plasmon-Mediated Surface Functionalization: New Horizons for the Control of Surface Chemistry on the Nanoscale. <i>Chemistry of Materials</i> , 2020, 32, 5442-5454.	6.7	36
12	Multi-functionalization of lithographically designed gold nanodisks by plasmon-mediated reduction of aryl diazonium salts. <i>Nanoscale Horizons</i> , 2018, 3, 53-57.	8.0	33
13	Micro-patterned anti-icing coatings with dual hydrophobic/hydrophilic properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19353-19357.	10.3	30
14	Regioselective surface functionalization of lithographically designed gold nanorods by plasmon-mediated reduction of aryl diazonium salts. <i>Chemical Communications</i> , 2017, 53, 11364-11367.	4.1	29
15	Tunable Electromagnetic Coupling in Plasmonic Nanostructures Mediated by Thermoresponsive Polymer Brushes. <i>Langmuir</i> , 2015, 31, 12830-12837.	3.5	28
16	Raman reporters derived from aryl diazonium salts for SERS encoded-nanoparticles. <i>Chemical Communications</i> , 2020, 56, 6822-6825.	4.1	27
17	Alkyl-Modified Gold Surfaces: Characterization of the Au-C Bond. <i>Langmuir</i> , 2018, 34, 11264-11271.	3.5	26
18	Plasmon-mediated chemical surface functionalization at the nanoscale. <i>Nanoscale</i> , 2016, 8, 8633-8640.	5.6	25

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19	Grafting of polymeric platforms on gold by combining the diazonium salt chemistry and the photoiniferter method. <i>Polymer</i> , 2015, 57, 12-20.	3.8	23
20	Dynamic Plasmonic Platform To Investigate the Correlation between Far-Field Optical Response and SERS Signal of Analytes. <i>ACS Omega</i> , 2019, 4, 1144-1150.	3.5	20
21	Surface functionalization of nanomaterials by aryl diazonium salts for biomedical sciences. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102479.	14.7	20
22	Diazonium salt chemistry for the design of nano-textured anti-icing surfaces. <i>Chemical Communications</i> , 2018, 54, 8983-8986.	4.1	16
23	Simultaneous Photografting of Two Organic Groups on a Gold Surface by using Arylazo Sulfones as Single Precursors. <i>Langmuir</i> , 2020, 36, 2786-2793.	3.5	14
24	Sensing Polymer/Paracetamol Interaction with an Independent Component Analysis-Based SERS-MIP Nanosensor. <i>Plasmonics</i> , 2020, 15, 1533-1539.	3.4	13
25	Nanoplasmonic heating and sensing to reveal the dynamics of thermoresponsive polymer brushes. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	10
26	Efficient construction of a redox responsive thin polymer layer on glassy carbon and gold surfaces for voltage-gated delivery applications. <i>Materials Advances</i> , 2021, 2, 2358-2365.	5.4	6
27	Recent advances in nonâ€plasmonic surfaceâ€enhanced Raman spectroscopy nanostructures for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1795.	6.1	5
28	SERS tags derived from silver nanoparticles and aryl diazonium salts for cell Raman imaging. <i>Nanoscale</i> , 2022, 14, 1452-1458.	5.6	4
29	Tunable platforms by coupling gold nanorectangles and pNIPAM for surface-enhanced Raman scattering. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2018, 9, 035013.	1.5	3
30	Three-color plasmon-mediated reduction of diazonium salts over metasurfaces. <i>Nanoscale Advances</i> , 2021, 3, 2501-2507.	4.6	2
31	Electrografting and Langmuirâ€Blodgett: Covalently Bound Nanometer-Thick Ordered Films on Graphite. <i>Langmuir</i> , 2021, 37, 12539-12547.	3.5	1