

# Paula A Brooksby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6460522/publications.pdf>

Version: 2024-02-01

24  
papers

1,057  
citations

567281

15  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical and Atomic Force Microscopy Study of Carbon Surface Modification via Diazonium Reduction in Aqueous and Acetonitrile Solutions. <i>Langmuir</i> , 2004, 20, 5038-5045.	3.5	382
2	Multilayer Nitroazobenzene Films Covalently Attached to Carbon. An AFM and Electrochemical Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8791-8798.	2.6	126
3	Grafting Aryl Diazonium Cations to Polycrystalline Gold: Insights into Film Structure Using Gold Oxide Reduction, Redox Probe Electrochemistry, and Contact Angle Behavior. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7808-7815.	3.1	84
4	Nanoscale Patterning of Flat Carbon Surfaces by Scanning Probe Lithography and Electrochemistry. <i>Langmuir</i> , 2005, 21, 1672-1675.	3.5	72
5	Effect of Applied Potential on Arylmethyl Films Oxidatively Grafted to Carbon Surfaces. <i>Langmuir</i> , 2005, 21, 11304-11311.	3.5	56
6	Covalently Anchored Carboxyphenyl Monolayer via Aryldiazonium Ion Grafting: A Well-Defined Reactive Tether Layer for On-Surface Chemistry. <i>Langmuir</i> , 2014, 30, 7104-7111.	3.5	37
7	Electrografting of 4-Nitrobenzenediazonium Ion at Carbon Electrodes: Catalyzed and Uncatalyzed Reduction Processes. <i>Langmuir</i> , 2016, 32, 468-476.	3.5	35
8	Electrochemical functionalization of glassy carbon electrode by reduction of diazonium cations in protic ionic liquid. <i>Electrochimica Acta</i> , 2013, 106, 378-385.	5.2	31
9	Scanning Tunneling and Atomic Force Microscopy Evidence for Covalent and Noncovalent Interactions between Aryl Films and Highly Ordered Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5820-5826.	3.1	28
10	Electrochemistry of Catechol Terminated Monolayers with Cu(II), Ni(II) and Fe(III) Cations: A Model for the Marine Adhesive Interface. <i>Langmuir</i> , 2008, 24, 9074-9081.	3.5	27
11	Quantum Capacitance of Aryldiazonium Modified Large Area Few-Layer Graphene Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25778-25785.	3.1	25
12	The stability of diazonium ion terminated films on glassy carbon and gold electrodes. <i>Electrochemistry Communications</i> , 2012, 19, 67-69.	4.7	21
13	Building Tailored Interfaces through Covalent Coupling Reactions at Layers Grafted from Aryldiazonium Salts. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11545-11570.	8.0	21
14	Electrochemistry of Ferrocenyl $\beta$ -Peptide Monolayers on Gold. <i>Langmuir</i> , 2010, 26, 1334-1339.	3.5	20
15	Spontaneous Modification of Free-Floating Few-Layer Graphene by Aryldiazonium Ions: Electrochemistry, Atomic Force Microscopy, and Infrared Spectroscopy from Grafted Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7543-7552.	3.1	17
16	Voltammetric and Electrochemical Impedance Study of Ferrocenyl Containing $\beta$ -Peptide Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7516-7526.	3.1	15
17	Electrowetting on conductors: anatomy of the phenomenon. <i>Faraday Discussions</i> , 2017, 199, 49-61.	3.2	15
18	Reduction of Nitrophenyl Films in Aqueous Solutions: How Many Electrons?. <i>ChemElectroChem</i> , 2016, 3, 2021-2026.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Olefin Cross-Metathesis of a Vinyl-Terminated Self-Assembled Monolayer (SAM) on Au(111): <sup>Â</sup> Electrochemical Study Using a Ferrocenyl Redox Center. <i>Langmuir</i> , 2006, 22, 9304-9312.	3.5	8
20	Diels <sup>Â</sup> Alder Reaction of Anthranilic Acids: A Versatile Route to Dense Monolayers on Flat Edge and Basal Plane Graphitic Carbon Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23389-23395.	8.0	8
21	Controlled Spacing of Few-Layer Graphene Sheets Using Molecular Spacers: Capacitance That Scales with Sheet Number. <i>ACS Applied Nano Materials</i> , 2018, 1, 1420-1429.	5.0	7
22	Boron <sup>Â</sup> Doped Diamond Dual <sup>Â</sup> Plate Deep <sup>Â</sup> Microtrench Device for Generator <sup>Â</sup> Collector Sulfide Sensing. <i>Electroanalysis</i> , 2015, 27, 2645-2653.	2.9	6
23	Measuring the Capacitance at Few- and Many-Layered Graphene Electrodes in Aqueous Acidic Solutions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6103-6108.	3.1	5
24	Immobilisation of Iron Porphyrin from an Equilibrium Solution with Diazonium <sup>Â</sup> Functionalised Axial Ligand: Dependence of Film Composition on Grafting Potential. <i>ChemElectroChem</i> , 2021, 8, 3105-3112.	3.4	1