

# Narelle Brack

## List of Publications by Year in descending order

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56  
papers

1,603  
citations

304368

22  
h-index

301761

39  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the Lithium Surface in N-Methyl-N-alkylpyrrolidinium Bis(trifluoromethanesulfonyl)amide Room-Temperature Ionic Liquid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2006, 153, A595.	1.3	325
2	Surface modification of electrospun fibres for biomedical applications: A focus on radical polymerization methods. <i>Biomaterials</i> , 2016, 106, 24-45.	5.7	111
3	Cerium Dibutylphosphate as a Corrosion Inhibitor for AA2024-T3 Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2006, 153, B392.	1.3	107
4	Electropolymerisation of pyrrole on copper in aqueous media. <i>Synthetic Metals</i> , 2004, 142, 25-34.	2.1	55
5	Polymer nanocomposite " fiber model interphases: Influence of processing and interface chemistry on mechanical performance. <i>Chemical Engineering Journal</i> , 2015, 269, 121-134.	6.6	55
6	The influence of mechanical and chemical treatments on the environmental resistance of epoxy adhesive bonds to titanium. <i>International Journal of Adhesion and Adhesives</i> , 2014, 48, 20-27.	1.4	48
7	Analytical and Characterization Studies of Organic and Inorganic Species in Brown Coal. <i>Energy &amp; Fuels</i> , 2006, 20, 1556-1564.	2.5	44
8	Surface and electrochemical study of DBSA-doped polypyrrole films grown on stainless steel. <i>Surface and Interface Analysis</i> , 2002, 33, 653-662.	0.8	43
9	Highly Stable ECL Active Films Formed by the Electrografting of a Diazotized Ruthenium Complex Generated <i>in Situ</i> from the Amine. <i>Langmuir</i> , 2011, 27, 474-480.	1.6	40
10	Tribological studies of Zr-implanted PVD TiN coatings deposited on stainless steel substrates. <i>Wear</i> , 2003, 254, 589-596.	1.5	39
11	The influence of hydroxyl group concentration on epoxy-aluminium bond durability. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 1123-1152.	1.4	38
12	Evaluation of corrosion protection of carbon black filled fusion-bonded epoxy coatings on mild steel during exposure to a quiescent 3% NaCl solution. <i>Corrosion Science</i> , 2007, 49, 287-302.	3.0	37
13	Surface Reactions of 1-Propanethiol on GaAs(100). <i>Langmuir</i> , 2005, 21, 1866-1874.	1.6	35
14	Semiconductor oxide based electrodes for the label-free electrical detection of DNA hybridization: Comparison between Sb doped SnO <sub>2</sub> and CdIn <sub>2</sub> O <sub>4</sub> . <i>Electrochimica Acta</i> , 2006, 51, 5206-5214.	2.6	31
15	X-ray Photoelectron Emission Microscopy and Time-of-Flight Secondary Ion Mass Spectrometry Analysis of Ultrathin Fluoropolymer Coatings for Stent Applications. <i>Langmuir</i> , 2008, 24, 7897-7905.	1.6	30
16	Comparative analysis of Ti <sub>3</sub> SiC <sub>2</sub> and associated compounds using x-ray diffraction and x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1603-1611.	1.3	28
17	Wear behaviour of CrN coatings MEVVA ion implanted with Zr. <i>Wear</i> , 2004, 257, 901-908.	1.5	26
18	Surface immobilized antibody orientation determined using ToF-SIMS and multivariate analysis. <i>Acta Biomaterialia</i> , 2017, 55, 172-182.	4.1	26

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19	Minimizing silicone transfer during micro-contact printing. <i>Applied Surface Science</i> , 2007, 253, 3746-3750.	3.1	25
20	Ultrasonicated-ozone modification of exfoliated graphite for stable aqueous graphitic nanoplatelet dispersions. <i>Nanotechnology</i> , 2014, 25, 495607.	1.3	24
21	Surface Adsorbed Antibody Characterization Using ToF-SIMS with Principal Component Analysis and Artificial Neural Networks. <i>Langmuir</i> , 2016, 32, 8717-8728.	1.6	23
22	Fabrication of patterned polypyrrole on fluoropolymers for pH sensing applications. <i>Synthetic Metals</i> , 2005, 154, 105-108.	2.1	21
23	Poly(L-lysine)-mediated immobilisation of oligonucleotides on carboxy-rich polymer surfaces. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1363-1370.	5.3	20
24	Characterization of nanostructured core-shell working electrodes for application in dye-sensitized solar cells. <i>Surface and Coatings Technology</i> , 2005, 198, 118-122.	2.2	20
25	A comparative study between the adsorption and covalent binding of human immunoglobulin and lysozyme on surface-modified poly(tert-butyl methacrylate). <i>Biomedical Materials (Bristol)</i> , 2006, 1, 24-32.	1.7	20
26	Hierarchical composites with high-volume fractions of carbon nanotubes: Influence of plasma surface treatment and thermoplastic nanophase-modified epoxy. <i>Carbon</i> , 2015, 94, 971-981.	5.4	18
27	Surface analysis of heat-treated Mong Hsu rubies. <i>Applied Surface Science</i> , 2006, 252, 8646-8650.	3.1	17
28	Microcontact printing of copper and polypyrrole on fluoropolymers. <i>Thin Solid Films</i> , 2005, 477, 131-139.	0.8	16
29	A surface and electrochemical study of polypyrrole coated on stainless steel and copper. <i>Current Applied Physics</i> , 2004, 4, 163-166.	1.1	14
30	Characterization of green copper phase pigments in Egyptian artifacts with X-ray absorption spectroscopy and principal components analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1283-1289.	1.5	14
31	Engineering the Biointerface of Electrospun 3D Scaffolds with Functionalized Polymer Brushes for Enhanced Cell Binding. <i>Biomacromolecules</i> , 2019, 20, 813-825.	2.6	13
32	Development of Stable Boron Nitride Nanotube and Hexagonal Boron Nitride Dispersions for Electrophoretic Deposition. <i>Langmuir</i> , 2020, 36, 3425-3438.	1.6	13
33	Electropolymerization of DBSA-doped polypyrrole films on PTFE via an electroless copper interlayer. <i>Surface and Interface Analysis</i> , 2003, 35, 974-983.	0.8	12
34	Gallium and oxygen accumulations on gallium nitride surfaces following argon ion milling in ultra-high vacuum conditions. <i>Applied Surface Science</i> , 2004, 230, 18-23.	3.1	11
35	Micropatterning of fluoropolymers. <i>Applied Surface Science</i> , 2006, 252, 2217-2228.	3.1	11
36	Effect of aluminium ion implantation on the oxidation resistance of DC magnetron sputter-deposited TiB <sub>2</sub> thin films. <i>Surface and Coatings Technology</i> , 2004, 177-178, 185-197.	2.2	10

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37	X-PEEM/NEXAFS and AFM of polypyrrole and copper micro-patterns on insulating fluoropolymer substrates. Applied Surface Science, 2006, 253, 1473-1479.	3.1	10
38	CO-DOPED POLYPYRROLE COATINGS FOR STAINLESS STEEL PROTECTION. Surface Review and Letters, 2006, 13, 319-327.	0.5	10
39	Multi-Walled Carbon Nanotubes Grown from Chemical Vapor: Links between Atomic near Range Order and Growth Parameters. Journal of Physical Chemistry C, 2009, 113, 4307-4314.	1.5	10
40	Evolution of Magnetic and Structural Properties during Iron Plating of Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 13218-13227.	1.5	10
41	X-ray photoelectron spectroscopic study of the surface chemistry of soda-lime glass in vacuum. Surface and Interface Analysis, 2006, 38, 648-651.	0.8	9
42	A Comparison of Mechanical and Electrical Properties in Hierarchical Composites Prepared using Electrophoretic or Chemical Vapor Deposition of Carbon Nanotubes. MRS Advances, 2016, 1, 785-790.	0.5	9
43	Long-Term Stability of Metallic Iron inside Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 21083-21087.	1.5	8
44	Potentiometric Urea Biosensor Based on a Urease-immobilized Polypyrrole. Macromolecular Symposia, 2015, 354, 334-339.	0.4	8
45	Surface modification of boron fibres for improved strength in composite materials. Journal of Adhesion Science and Technology, 2005, 19, 857-877.	1.4	7
46	Corrosion behavior of Zr modified CrN coatings using metal vapor vacuum arc ion implantation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 110-116.	0.9	7
47	Manipulation of carbon nanotube magnetism with metal-rich iron nanoparticles. Journal of Materials Chemistry C, 2016, 4, 1215-1227.	2.7	7
48	Optimisation of grafting of low fouling polymers from three-dimensional scaffolds via surface-initiated Cu(0) mediated polymerisation. Journal of Materials Chemistry B, 2018, 6, 5896-5909.	2.9	6
49	Radiation and storage-induced ageing of polypyrrole doped with dodecylbenzene sulfonic acid. Applied Surface Science, 2005, 243, 287-295.	3.1	5
50	Surface Treatments and Adhesives for Bonded Repairs to High Temperature Carbon-Bismaleimide Composite Structure. Journal of Adhesion Science and Technology, 2012, 26, 911-937.	1.4	5
51	Electroless Copper Deposition on PET Sheets. Advanced Materials Research, 0, 802, 262-266.	0.3	5
52	Photoemission studies of ZnSe epilayers grown on GaAs(111)B surface. Journal of Applied Physics, 2001, 89, 710-717.	1.1	3
53	Functionalization and Dispersion of Carbon Nanomaterials Using an Environmentally Friendly Ultrasonicated Ozonolysis Process. Journal of Visualized Experiments, 2017, .	0.2	3
54	Effect of Physical Processing on the Wool Fiber Surface. Textile Research Journal, 2001, 71, 911-915.	1.1	1

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55	Use of pre-defined architectures for incorporation of aligned carbon nanotubes into epoxy resin. , 2008, , .		0
56	Zero valence iron nanocube decoration of graphitic nanoplatelets. Nanotechnology, 2022, 33, 025704.	1.3	0