Thierry Darmanin

List of Publications by Year
in descending order

		126907	74163
191 papers	6,437 citations	33 h-index	75 g-index
205 all docs	205 docs citations	205 times ranked	5836 citing authors

#	Article	IF	Citations
1	Recent advances in designing superhydrophobic surfaces. Journal of Colloid and Interface Science, 2013, 402, 1-18.	9.4	609
2	Superhydrophobic and superoleophobic properties in nature. Materials Today, 2015, 18, 273-285.	14.2	518
3	Recent advances in the potential applications of bioinspired superhydrophobic materials. Journal of Materials Chemistry A, 2014, 2, 16319-16359.	10.3	490
4	Chemical and Physical Pathways for the Preparation of Superoleophobic Surfaces and Related Wetting Theories. Chemical Reviews, 2014, 114, 2694-2716.	47.7	466
5	Glycerol carbonate as a versatile building block for tomorrow: synthesis, reactivity, properties and applications. Green Chemistry, 2013, 15, 283-306.	9.0	428
6	Superhydrophobic Surfaces by Electrochemical Processes. Advanced Materials, 2013, 25, 1378-1394.	21.0	395
7	Wettability of conducting polymers: From superhydrophilicity to superoleophobicity. Progress in Polymer Science, 2014, 39, 656-682.	24.7	213
8	Molecular Design of Conductive Polymers To Modulate Superoleophobic Properties. Journal of the American Chemical Society, 2009, 131, 7928-7933.	13.7	187
9	Superhydrophobic Fiber Mats by Electrodeposition of Fluorinated Poly(3,4-ethyleneoxythiathiophene). Journal of the American Chemical Society, 2011, 133, 15627-15634.	13.7	121
10	Superoleophobic surfaces with short fluorinated chains?. Soft Matter, 2013, 9, 5982.	2.7	108
11	Superoleophobic behavior of fluorinated conductive polymer films combining electropolymerization and lithography. Soft Matter, 2011, 7, 1053-1057.	2.7	93
12	Recent advances in the study and design of parahydrophobic surfaces: From natural examples to synthetic approaches. Advances in Colloid and Interface Science, 2017, 241, 37-61.	14.7	81
13	The design of superhydrophobic stainless steel surfaces by controlling nanostructures: A key parameter to reduce the implantation of pathogenic bacteria. Materials Science and Engineering C, 2017, 73, 40-47.	7.3	80
14	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a â€œmodified polyol processâ€. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 145-151.	4.7	67
15	Hydrocarbon versus Fluorocarbon in the Electrodeposition of Superhydrophobic Polymer Films. Langmuir, 2010, 26, 17596-17602.	3.5	64
16	Superhydrophobic Fibrous Polymers. Polymer Reviews, 2013, 53, 460-505.	10.9	61
17	Surface Structuration (Micro and/or Nano) Governed by the Fluorinated Tail Lengths toward Superoleophobic Surfaces. Langmuir, 2012, 28, 186-192.	3.5	60
18	Electrodeposited polymer films with both superhydrophobicity and superoleophilicity. Physical Chemistry Chemical Physics, 2008, 10, 4322.	2.8	57

#	Article	IF	Citations
19	Superoleophobic Meshes with High Adhesion by Electrodeposition of Conducting Polymer Containing Short Perfluorobutyl Chains. Journal of Physical Chemistry C, 2014, 118, 2052-2057.	3.1	55
20	A one-step electrodeposition of homogeneous and vertically aligned nanotubes with parahydrophobic properties (high water adhesion). Journal of Materials Chemistry A, 2016, 4, 3197-3203.	10.3	55
21	Flagella but not type IV pili are involved in the initial adhesion of Pseudomonas aeruginosa PAO1 to hydrophobic or superhydrophobic surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 131, 59-66.	5.0	50
22	Synthesis and Properties of Perfluorinated Conjugated Polymers Based on Polyethylenedioxythiophene, Polypyrrole, and Polyfluorene. Toward Surfaces with Special Wettabilities. Langmuir, 2008, 24, 9739-9746.	3.5	47
23	Versatile Superhydrophobic Surfaces from a Bioinspired Approach. Macromolecules, 2011, 44, 9286-9294.	4.8	46
24	Spontaneous, Phase-Separation Induced Surface Roughness: A New Method to Design Parahydrophobic Polymer Coatings with Rose Petal-like Morphology. ACS Applied Materials & Interfaces, 2016, 8, 3063-3071.	8.0	45
25	Superhydrophobic nanofiber arrays and flower-like structures of electrodeposited conducting polymers. Soft Matter, 2012, 8, 9110.	2.7	44
26	A template-free approach to nanotube-decorated polymer surfaces using 3,4-phenylenedioxythiophene (PhEDOT) monomers. Journal of Materials Chemistry A, 2016, 4, 17308-17323.	10.3	44
27	Fluorophobic Effect for Building up the Surface Morphology of Electrodeposited Substituted Conductive Polymers. Langmuir, 2009, 25, 5463-5466.	3.5	42
28	Connector Ability To Design Superhydrophobic and Oleophobic Surfaces from Conducting Polymers. Langmuir, 2010, 26, 13545-13549.	3.5	40
29	Elaboration of Voltage and Ion Exchange Stimuli-Responsive Conducting Polymers with Selective Switchable Liquid-Repellency. ACS Applied Materials & Interfaces, 2014, 6, 7953-7960.	8.0	40
30	Super oil-repellent surfaces from conductive polymers. Journal of Materials Chemistry, 2009, 19, 7130.	6.7	39
31	Influence of intrinsic oleophobicity and surface structuration on the superoleophobic properties of PEDOP films bearing two fluorinated tails. Journal of Materials Chemistry A, 2013, 1, 2896.	10.3	37
32	One-Step and Templateless Electropolymerization Process Using Thienothiophene Derivatives To Develop Arrays of Nanotubes and Tree-like Structures with High Water Adhesion. ACS Applied Materials & Interfaces, 2016, 8, 22732-22743.	8.0	36
33	pHâ€•and Voltageâ€Switchable Superhydrophobic Surfaces by Electroâ€Copolymerization of EDOT Derivatives Containing Carboxylic Acids and Long Alkyl Chains. ChemPhysChem, 2013, 14, 2529-2533.	2.1	33
34	Influence of long alkyl spacers in the elaboration of superoleophobic surfaces with short fluorinated chains. RSC Advances, 2013, 3, 5556.	3.6	33
35	Highly Polar Linkers (Urea, Carbamate, Thiocarbamate) for Superoleophobic/Superhydrophobic or Oleophobic/Hydrophilic Properties. Advanced Materials Interfaces, 2015, 2, 1500081.	3.7	33
36	One-pot method for build-up nanoporous super oil-repellent films. Journal of Colloid and Interface Science, 2009, 335, 146-149.	9.4	32

#	Article	IF	Citations
37	Superhydrophobic Surfaces of Electrodeposited Polypyrroles Bearing Fluorinated Liquid Crystalline Segments. Macromolecules, 2010, 43, 9365-9370.	4.8	32
38	Analogy of morphology in electrodeposited hydrocarbon and fluorocarbon polymers. RSC Advances, 2013, 3, 647-652.	3.6	30
39	Texturation and superhydrophobicity of polyethylene terephthalate thanks to plasma technology. Applied Surface Science, 2014, 292, 782-789.	6.1	28
40	Superoleophobic polymers with metal ion affinity toward materials with both oleophobic and hydrophilic properties. Journal of Colloid and Interface Science, 2013, 408, 101-106.	9.4	26
41	Influence of the monomer structure and electrochemical parameters on the formation of nanotubes with parahydrophobic properties (high water adhesion) by a templateless electropolymerization process. Journal of Colloid and Interface Science, 2016, 466, 413-424.	9.4	26
42	Tunable Surface Nanoporosity by Electropolymerization of <i>N</i>â€Alkylâ€3,4â€ethylenedioxypyrroles With Different Alkyl Chain Lengths. Macromolecular Chemistry and Physics, 2012, 213, 2492-2497.	2.2	25
43	Highly hydrophobic films with various adhesion by electrodeposition of poly(3,4-bis(alkoxy)thiophene)s. Soft Matter, 2013, 9, 1500-1505.	2.7	25
44	Azidomethyl-EDOT as a Platform for Tunable Surfaces with Nanostructures and Superhydrophobic Properties. Journal of Physical Chemistry B, 2015, 119, 6873-6877.	2.6	25
45	Superpropulsion of Droplets and Soft Elastic Solids. Physical Review Letters, 2017, 119, 108001.	7.8	25
46	Superhydrophobic conducting polymers with switchable water and oil repellency by voltage and ion exchange. RSC Advances, 2014, 4, 3550-3555.	3.6	24
47	Electrodeposition of Polypyrenes with Tunable Hydrophobicity, Water Adhesion, and Fluorescence Properties. Journal of Physical Chemistry C, 2016, 120, 7077-7087.	3.1	24
48	Homogeneous growth of conducting polymer nanofibers by electrodeposition for superhydrophobic and superoleophilic stainless steel meshes. RSC Advances, 2014, 4, 50401-50405.	3.6	23
49	3,4-Ethylenedioxypyrrole (EDOP) Monomers with Aromatic Substituents for Parahydrophobic Surfaces by Electropolymerization. Macromolecules, 2015, 48, 5188-5195.	4.8	23
50	Enhancement of the Superoleophobic Properties of Fluorinated PEDOP Using Polar Glycol Spacers. Journal of Physical Chemistry C, 2014, 118, 26912-26920.	3.1	22
51	The Major Influences of Substituent Size and Position of 3,4â€Propylenedioxythiophene on the Formation of Highly Hydrophobic Nanofibers. ChemPlusChem, 2014, 79, 1434-1439.	2.8	22
52	Oneâ€Pot Process to Control the Elaboration of Nonâ€Wetting Nanofibers. Advanced Materials Interfaces, 2014, 1, 1300094.	3.7	22
53	Superhydrophobic (low adhesion) and parahydrophobic (high adhesion) surfaces with micro/nanostructures or nanofilaments. Journal of Colloid and Interface Science, 2015, 453, 42-47.	9.4	22
54	Superhydrophobic hollow spheres by electrodeposition of fluorinated poly(3,4-ethylenedithiopyrrole). RSC Advances, 2012, 2, 10899.	3.6	21

#	Article	IF	Citations
55	Spider-web-like fiber toward highly oleophobic fluorinated materials with low bioaccumulative potential. Reactive and Functional Polymers, 2014, 74, 46-51.	4.1	21
56	3,4-Dialkoxypyrrole for the Formation of Bioinspired Rose Petal-like Substrates with High Water Adhesion. Langmuir, 2016, 32, 12476-12487.	3.5	21
57	Superhydrophobic surfaces from 3,4-propylenedioxythiophene (ProDOT) derivatives. European Polymer Journal, 2013, 49, 2267-2274.	5.4	20
58	Superhydrophobic and oleophobic surfaces containing wrinkles and nanoparticles of PEDOT with two short fluorinated chains. RSC Advances, 2014, 4, 10935.	3.6	20
59	Staudinger Vilarassa reaction: A powerful tool for surface modification and superhydrophobic properties. Journal of Colloid and Interface Science, 2015, 457, 72-77.	9.4	20
60	Reactive-ion etching of nylon fabric meshes using oxygen plasma for creating surface nanostructures. Applied Surface Science, 2015, 356, 408-415.	6.1	20
61	Low bioaccumulative materials for parahygrophobic nanosheets with sticking behaviour. Journal of Colloid and Interface Science, 2015, 447, 167-172.	9.4	19
62	Post-functionalization of plasma treated polycarbonate substrates: An efficient way to hydrophobic, oleophobic plastics. Applied Surface Science, 2016, 387, 28-35.	6.1	19
63	Designing Nanoporous Membranes through Templateless Electropolymerization of Thieno[3,4-<i>b</i>]thiophene Derivatives with High Water Content. ACS Omega, 2019, 4, 13080-13085.	3.5	19
64	Micellar formation by soft template electropolymerization in organic solvents. Journal of Colloid and Interface Science, 2021, 590, 260-267.	9.4	19
65	Superhydrophobic Conducting Polymers Based on Hydrocarbon Poly(3,4â€Ethylenedioxyselenophene). ChemPhysChem, 2013, 14, 2947-2953.	2.1	18
66	Superhydrophobic surfaces with low and high adhesion made from mixed (hydrocarbon and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T Physics, 2014, 52, 782-788.	2.1	18
67	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymerâ€Growth Control. ChemPlusChem, 2014, 79, 382-386.	2.8	18
68	Electrodeposited Poly(thieno[3,2â€<i>b</i>]thiophene) Films for the Templateless Formation of Porous Structures by Galvanostatic and Pulse Deposition. ChemPlusChem, 2017, 82, 1351-1358.	2.8	18
69	Superhydrophobicity of polymer films via fluorine atoms covalent attachment and surface nano-texturing. Journal of Fluorine Chemistry, 2017, 200, 123-132.	1.7	18
70	Coral-like nanostructures. Materials Today, 2019, 31, 119-120.	14.2	18
71	One methylene unit to control super oil-repellency properties of conducting polymers. Chemical Communications, 2009, , 2210.	4.1	17
72	One <i>F</i>-Octyl versus Two <i>F</i>-Butyl Chains in Surfactant Aggregation Behavior. Langmuir, 2013, 29, 14815-14822.	3.5	17

#	Article	IF	Citations
73	Highly Oleophobic Properties of PEDOP Polymers with Short Perfluorobutyl Chains Separated by Long Alkyl Spacers and Amido Connectors. Macromolecular Chemistry and Physics, 2013, 214, 2036-2042.	2.2	17
74	Branched versus linear perfluorocarbon chains in the formation of superhydrophobic electrodeposited films with low bioaccumulative potential. Journal of Materials Science, 2014, 49, 7760-7769.	3.7	17
75	Controlling electrodeposited conducting polymer nanostructures with the number and the length of fluorinated chains for adjusting superhydrophobic properties and adhesion. RSC Advances, 2015, 5, 37196-37205.	3.6	17
76	Nanoparticle covered surfaces: An efficient way to enhance superhydrophobic properties. Materials and Design, 2016, 92, 911-918.	7.0	17
77	Nanocups and hollow microspheres formed by a one-step and templateless electropolymerization of thieno[3,4-b]thiophene derivatives as a function of the substituent. Electrochimica Acta, 2018, 269, 462-478.	5.2	17
78	Exceptionally Strong Effect of Small Structural Variations in Functionalized 3,4-Phenylenedioxythiophenes on the Surface Nanostructure and Parahydrophobic Properties of Their Electropolymerized Films. Macromolecules, 2019, 52, 8088-8102.	4.8	17
79	Effect of hydrocarbon chain branching in the elaboration of superhydrophobic materials by electrodeposition of conducting polymers. Surface and Coatings Technology, 2014, 259, 594-598.	4.8	16
80	Switchable surfaces from highly hydrophobic to highly hydrophilic using covalent imine bonds. Journal of Applied Polymer Science, 2016, 133, .	2.6	16
81	Superhydrophobic properties of electrodeposited fluorinated polypyrenes. Journal of Fluorine Chemistry, 2017, 193, 73-81.	1.7	16
82	Structured biotinylated poly(3,4-ethylenedioxypyrrole) electrodes for biochemical applications. RSC Advances, 2012, 2, 1033-1039.	3.6	15
83	Intrinsically water-repellent copper oxide surfaces; An electro-crystallization approach. Applied Surface Science, 2018, 443, 191-197.	6.1	15
84	The influence of bath temperature on the one-step electrodeposition of non- wetting copper oxide coatings. Applied Surface Science, 2020, 503, 144094.	6.1	15
85	Wettability of poly(3-alkyl-3,4-propylenedioxythiophene) fibrous structures forming nanoporous, microporous or micro/nanostructured networks. Materials Chemistry and Physics, 2014, 146, 6-11.	4.0	14
86	Highly hydrophobic films with high water adhesion by electrodeposition of poly(3,4-propylenedioxythiophene) containing two alkoxy groups. Colloid and Polymer Science, 2015, 293, 933-940.	2.1	14
87	Superoleophobic/superhydrophobic PEDOP conducting copolymers with dual-responsivity by voltage and ion exchange. Materials Today Communications, 2016, 6, 1-8.	1.9	14
88	A travel in the Echeveria genus wettability's world. Applied Surface Science, 2017, 411, 291-302.	6.1	14
89	Direct Electrodeposition of Superhydrophobic and Highly Oleophobic Poly(3,4â€ethylenedioxypyrrole) (PEDOP) and Poly(3,4â€propylenedioxypyrrole) (PProDOP) Nanofibers. ChemNanoMat, 2017, 3, 885-894.	2.8	14
90	A Templateless Electropolymerization Approach to Porous Hydrophobic Nanostructures Using 3,4â€Phenylenedioxythiophene Monomers with Electronâ€Withdrawing Groups. ChemNanoMat, 2018, 4, 656-662.	2.8	14

#	Article	IF	Citations
91	Synthesis, characterization and surface wettability of polythiophene derivatives containing semi-fluorinated liquid-crystalline segment. Journal of Fluorine Chemistry, 2012, 134, 85-89.	1.7	13
92	Parahydrophobic Surfaces Made of Intrinsically Hydrophilic PProDOT Nanofibers with Branched Alkyl Chains. Advanced Engineering Materials, 2014, 16, 1400-1405.	3.5	13
93	Elaboration of Superhydrophobic Surfaces containing Nanofibers and Wrinkles with Controllable Water and Oil Adhesion. Macromolecular Materials and Engineering, 2014, 299, 959-965.	3.6	13
94	Superhydrophobic surface properties with various nanofibrous structures by electrodeposition of PEDOT polymers with short fluorinated chains and rigid spacers. Synthetic Metals, 2015, 205, 58-63.	3.9	13
95	Superhydrophobic, superoleophobic and underwater superoleophobic conducting polymer films. Surface Innovations, 2018, 6, 181-204.	2.3	13
96	Robustness tests on superoleophobic PEDOP films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 47-54.	4.7	12
97	Super liquid-repellent properties of electrodeposited hydrocarbon and fluorocarbon copolymers. RSC Advances, 2013, 3, 10848.	3.6	12
98	Wetting Transition from Hydrophilic to Superhydrophobic over Dendrite Copper Leaves Grown on Steel Meshes. Journal of Bionic Engineering, 2019, 16, 719-729.	5.0	12
99	Nanotubular structures through templateless electropolymerization using thieno[3,4-b]thiophene derivatives with different substituents and water content. Electrochimica Acta, 2019, 320, 134594.	5.2	12
100	Nanostructured superhydrophobic films synthesized by electrodeposition of fluorinated polyindoles. Beilstein Journal of Nanotechnology, 2015, 6, 2078-2087.	2.8	11
101	Switchable and reversible superhydrophobic and oleophobic surfaces by redox response using covalent Sâ€"S bond. Reactive and Functional Polymers, 2015, 96, 44-49.	4.1	11
102	A Templateless Electropolymerization Approach to Nanorings Using Substituted 3,4â€Naphthalenedioxythiophene (NaPhDOT) Monomers. ChemNanoMat, 2018, 4, 140-147.	2.8	11
103	Fabrication of Superhydrophobic Hierarchical Surfaces by Square Pulse Electrodeposition: Copperâ€Based Layers on Gold/Silicon (100) Substrates. ChemPlusChem, 2019, 84, 368-373.	2.8	11
104	Superhydrophobic and fluorescent properties of fluorinated polypyrene surfaces using various polar linkers prepared via electropolymerization. Reactive and Functional Polymers, 2019, 135, 65-76.	4.1	11
105	A soft template approach to various porous nanostructures from conjugated carbazole-based monomers. Journal of Colloid and Interface Science, 2021, 584, 795-803.	9.4	11
106	Sticky superhydrophobic hard nanofibers from soft matter. RSC Advances, 2014, 4, 35708-35716.	3.6	10
107	Templateless electrodeposition of conducting polymer nanotubes on mesh substrates for high water adhesion. Nano Structures Nano Objects, 2016, 7, 64-68.	3.5	10
108	Anti-bacterial and fluorescent properties of hydrophobic electrodeposited non-fluorinated polypyrenes. Applied Surface Science, 2018, 452, 352-363.	6.1	10

#	Article	IF	Citations
109	Superhydrophobic polypyrene films to prevent Staphylococcus aureus and Pseudomonas aeruginosa biofilm adhesion on surfaces: high efficiency deciphered by fluorescence microscopy. Photochemical and Photobiological Sciences, 2018, 17, 1023-1035.	2.9	10
110	Ante versus post-functionalization to control surface structures with superhydrophobic and superoleophobic properties. RSC Advances, 2015, 5, 63945-63951.	3.6	9
111	Poly(3,4-propylenedioxythiophene) mono-azide and di-azide as platforms for surface post -functionalization. European Polymer Journal, 2016, 78, 38-45.	5.4	9
112	pHâ€Driven Wetting Switchability of Electrodeposited Superhydrophobic Copolymers of Pyrene Bearing Acid Functions and Fluorinated Chains. ChemPhysChem, 2017, 18, 3429-3436.	2.1	9
113	Bioinspired Roseâ€Petalâ€Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. ChemPlusChem, 2017, 82, 352-357.	2.8	9
114	Variation of Goliathus orientalis (Moser, 1909) Elytra Nanostructurations and Their Impact on Wettability. Biomimetics, 2018, 3, 6.	3.3	9
115	Behavior of wormlike micellar solutions formed without any additives from semi-fluorinated quaternary ammonium salts. Soft Matter, 2013, 9, 8992.	2.7	8
116	Spontaneous patterned superhydrophilic hybrid surfaces. Materials Letters, 2014, 128, 333-335.	2.6	8
117	A bioinspired approach to produce parahydrophobic properties using PEDOP conducting polymers with branched alkyl chains. Pure and Applied Chemistry, 2015, 87, 805-814.	1.9	8
118	Using poly(3,4-ethylenedioxythiophene) containing a carbamate linker as a platform to develop electrodeposited surfaces with tunable wettability and adhesion. RSC Advances, 2015, 5, 89407-89414.	3.6	8
119	Staudinger-Vilarassa reaction versus Huisgen reaction for the control of surface hydrophobicity and water adhesion. Polymers for Advanced Technologies, 2016, 27, 993-998.	3.2	8
120	Switchable Surface Wettability by Using Boronic Ester Chemistry. ChemPhysChem, 2016, 17, 305-309.	2.1	8
121	Postfunctionalization of Azido or Alkyne Poly(3,4â€ethylenedioxythiophene) Surfaces: Superhydrophobic and Parahydrophobic Surfaces. Macromolecular Chemistry and Physics, 2016, 217, 554-561.	2.2	8
122	Experimental Characterization of Droplet Adhesion: The Ejection Test Method (ETM) Applied to Surfaces with Various Hydrophobicity. Journal of Physical Chemistry A, 2018, 122, 8693-8700.	2.5	8
123	Perfluorinated ProDOT monomers for superhydrophobic/oleophobic surfaces elaboration. Journal of Fluorine Chemistry, 2016, 191, 90-96.	1.7	7
124	Surfaces Bearing Fluorinated Nucleoperfluorolipids for Potential Anti-Graffiti Surface Properties. Coatings, 2017, 7, 220.	2.6	7
125	Designing bioinspired coral-like structures using a templateless electropolymerization approach with a high water content. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190123.	3.4	7
126	Tuning nanotubular structures by templateless electropolymerization with thieno[3,4-b]thiophene-based monomers with different substituents and water content. Journal of Colloid and Interface Science, 2020, 564, 19-27.	9.4	7

#	ARTICLE	IF	CITATIONS
127	A bioinspired strategy for designing well-ordered nanotubular structures by templateless electropolymerization of thieno[3,4- <i>b</i>]thiophene-based monomers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190450.	3.4	7
128	Influence of intrinsic hydrophobicity and surface structuration. Surface Innovations, 2013, 1, 98-104.	2.3	6
129	Control over Water Adhesion on Nanostructured Parahydrophobic Films Using Mesh Substrates. ChemNanoMat, 2015, 1, 497-501.	2.8	6
130	Superhydrophobic/highly oleophobic surfaces based on poly(3,4-propylenedioxythiophene) surface post-functionalization. Journal of Polymer Research, 2016, 23, 1.	2.4	6
131	Hydrocarbon/perfluorocarbon mixed chain azides for surface post-functionalization. Journal of Fluorine Chemistry, 2016, 184, 8-15.	1.7	6
132	Staudingerâ€"Vilarrasa reaction to develop novel monomers with amide bonds for superhydrophobic properties. Progress in Organic Coatings, 2016, 90, 431-437.	3.9	6
133	Major influence of the hydrophobic chain length in the formation of poly(3,4-propylenedioxypyrrole) (PProDOP) nanofibers with special wetting properties. Materials Today Chemistry, 2018, 7, 65-75.	3.5	6
134	One-pot Staudinger Ureation reaction to develop superhydrophobic/oleophobic surfaces with urea linkers. Materials and Design, 2017, 114, 116-122.	7.0	5
135	Poly(3,4-propylenedioxypyrrole) Nanofibers with Branched Alkyl Chains by Electropolymerization to Obtain Sticky Surfaces with High Contact Angles. ChemistrySelect, 2017, 2, 9490-9494.	1.5	5
136	Designing bioinspired parahydrophobic surfaces by electrodeposition of poly(3,4-ethylenedioxypyrrole) and poly(3,4-propylenedioxypyrrole) with mixed hydrocarbon and fluorocarbon chains. European Polymer Journal, 2019, 110, 76-84.	5.4	5
137	Nanotubular structures via templateless electropolymerization using thieno[3,4-b]thiophene monomers with various substituents and polar linkers. Progress in Organic Coatings, 2020, 138, 105382.	3.9	5
138	Densely packed open microspheres by soft template electropolymerization of benzotrithiophene-based monomers. Electrochimica Acta, 2021, 369, 137677.	5.2	5
139	Resistant amphiphobic textile coating by plasma induced polymerization of a pyrrole derivative grafted to silica nanoparticles and short fluorinated alkyl chains. Materials Today Communications, 2022, 30, 103171.	1.9	5
140	Characterization of air/water interface adsorption of a series of partially fluorinated/hydrogenated quaternary ammonium salts. Journal of Fluorine Chemistry, 2015, 178, 241-248.	1.7	4
141	Azido Platform Surfaces for Postâ€Functionalization with Aromatic Groups Using the Huisgen Reaction to Obtain High Water Adhesion. Macromolecular Chemistry and Physics, 2016, 217, 2107-2115.	2.2	4
142	Micro- and nanoscopic observations of sexual dimorphisms in Mecynorhina polyphemus confluens (Kraatz, 1890) (Coleoptera, Cetoniidae, Goliathini) and consequences for surface wettability. Arthropod Structure and Development, 2019, 49, 10-18.	1.4	4
143	Controlling water adhesion on superhydrophobic surfaces with bi-functional polymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126307.	4.7	4
144	A bioinspired approach to fabricate fluorescent nanotubes with strong water adhesion by soft template electropolymerization and post-grafting. Journal of Colloid and Interface Science, 2022, 606, 236-247.	9.4	4

#	Article	IF	Citations
145	Major influence of the alkyl chain length of poly(2,4â€dialkylâ€3,4â€propylenedioxythiophene) on the surface fibrous structures and hydrophobicity. Polymers for Advanced Technologies, 2014, 25, 1252-1256.	3.2	3
146	Surface properties of new catanionic semi-fluorinated hybrid surfactants. Journal of Fluorine Chemistry, 2014, 161, 60-65.	1.7	3
147	Stepâ€byâ€Step Layerâ€byâ€Layer Assembly Using 1,2,3â€Triazole as a Platform for Controlled Multicharged and Multifunctional Coatings. ChemPlusChem, 2015, 80, 1691-1695.	2.8	3
148	Staudinger-Ureation: A new and fast reaction for surface post-functionalization. Materials Today Communications, 2016, 8, 165-171.	1.9	3
149	Nucleoside surfaces as a platform for the control of surface hydrophobicity. RSC Advances, 2016, 6, 62471-62477.	3.6	3
150	The major influence of the substrate nature on the formation of nanotubes with high water adhesion using a templateless electropolymerization process. Synthetic Metals, 2017, 224, 99-108.	3.9	3
151	Parahydrophobic and Nanostructured Poly(3,4-ethylenedioxypyrrole) and Poly(3,4-propylenedioxypyrrole) Films with Hyperbranched Alkyl Chains. ACS Omega, 2018, 3, 12428-12436.	3.5	3
152	Formation of Nanofibers with High Water Adhesion by Electrodeposition of Films of Poly(3,4â€ethylenedioxypyrrole) and Poly(3,4â€propylenedioxypyrrole) Substituted by Alkyl Chains. ChemPlusChem, 2018, 83, 968-975.	2.8	3
153	Influence of alkyl spacer in nanostructure shape control by templateless electropolymerization. Progress in Organic Coatings, 2020, 146, 105698.	3.9	3
154	Templateless Electrodeposition of Conducting Polymer Nanotubes on Mesh Substrates. Macromolecular Chemistry and Physics, 2020, 221, 1900529.	2.2	3
155	Soft-template electropolymerization of 3,4-(2,3-naphtylenedioxy)thiophene-2-acetic acid esters favoring dimers: Controlling the surface nanostructure by side ester groups. Electrochimica Acta, 2022, 425, 140684.	5.2	3
156	Parahydrophobic Surfaces by Electrodeposition of PEDOT Polymers with Aromatic Groups. Materials and Manufacturing Processes, 2016, 31, 1177-1182.	4.7	2
157	Combining Staudinger Reductive Amination and Amidification for the Control of Surface Hydrophobicity and Water Adhesion by Introducing Heterobifunctional Groups: Postâ€and Anteâ€Approach. Macromolecular Chemistry and Physics, 2017, 218, 1700250.	2.2	2
158	Superhydrophobic and superoleophobic poly(3,4-ethylenedioxypyrrole) polymers synthesized using the Staudinger-Vilarrasa reaction. Pure and Applied Chemistry, 2017, 89, 1751-1760.	1.9	2
159	Nanofoldâ€decorated surfaces from the electrodeposition of diâ€alkylâ€cyclopentadithiophenes. Polymers for Advanced Technologies, 2018, 29, 1170-1181.	3.2	2
160	Switchable and Reversible Superhydrophobic Surfaces: Part One. , 0, , .		2
161	Templateless Electropolymerization for Controlled Growth of Polymeric Nanotubes on Micropatterned Surfaces. ChemNanoMat, 2019, 5, 1239-1243.	2.8	2
162	Dynamic Wetting Properties of Mesh Substrates with Tunable Water Adhesion. ChemPhysChem, 2019, 20, 1907-1907.	2.1	2

#	Article	IF	Citations
163	Variations in surface structures and wettability in the genus <i>Pachnoda</i> Burmeister. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 181-189.	0.9	2
164	Control of Conducting Polymer Nanostructures for Parahydrophobic Properties. Recent Patents on Materials Science, 2015, 8, 247-252.	0.5	2
165	Tunable Nanoporous Structures with Rose Petal Effect by Softâ€Template Electropolymerization of Benzotrithiophene Monomers. ChemistrySelect, 2022, 7, .	1.5	2
166	One-step, self-assembled highly oleophobic nanocomposite coatings. Composites Communications, 2016, 2, 1-4.	6.3	1
167	Nanoparticles covered surfaces for post-functionalization with aromatic groups to obtain parahydrophobic surface with high water adhesion (petal effect). Journal of Bionic Engineering, 2017, 14, 468-475.	5.0	1
168	Surface Nanostructuration and Wettability of Electrodeposited Poly(3,4-ethylenedioxypyrrole) and Poly(3,4-propylenedioxypyrrole) Films Substituted by Aromatic Groups. ACS Omega, 2018, 3, 8393-8400.	3.5	1
169	Rapid, Templateâ€Less Patterning of Polymeric Interfaces for Controlled Wettability via in Situ Heterogeneous Photopolymerizations. Macromolecular Chemistry and Physics, 2018, 219, 1800090.	2.2	1
170	Dynamic Wetting Properties of Mesh Substrates with Tunable Water Adhesion. ChemPhysChem, 2019, 20, 1918-1921.	2.1	1
171	Hybrid surfaces combining electropolymerization and lithography: fabrication and wetting properties. Soft Matter, 2019, 15, 9352-9358.	2.7	1
172	Bioinspired surfaces with strong water adhesion from electrodeposited poly(thieno[3,4-b]thiophene) with various branched alkyl chains. Journal of Polymer Research, 2020, 27, 1.	2.4	1
173	Influence of spacer in the formation of nanorings by templateless electropolymerization. Materials Today Chemistry, 2020, 17, 100278.	3.5	1
174	Bioinspired surfaces with strong water adhesion by electropolymerization of thieno[3,4-b]thiophene with mixed hydrocarbon/short fluorocarbon chains. Journal of Fluorine Chemistry, 2020, 236, 109574.	1.7	1
175	Highly conjugated carbazole-based monomers for the control of nanotubular surface structures by soft template electropolymerization. Pure and Applied Chemistry, 2021, .	1.9	1
176	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymer-Growth Control. ChemPlusChem, 2013, , n/a-n/a.	2.8	1
177	Bifunctionalized Monomers for Surfaces with Controlled Hydrophobicity. ChemPlusChem, 2017, 82, 1245-1252.	2.8	1
178	A bioinspired strategy for poly(3,4-ethylenedioxypyrrole) films with strong water adhesion. Pure and Applied Chemistry, 2020, 92, 315-322.	1.9	1
179	Effect of Electrolyte Nature on Micellar Soft-Template Electropolymerization in Organic Solvent to Form Nanoporous Polymer Films with a Bioinspired Strategy. Journal of Bionic Engineering, 2022, 19, 547.	5.0	1
180	Formation of Nanotubular Structures with Petal Effect by Soft-Template Electropolymerization of Benzotrithiophene with Hydrophilic Carboxyl Group. Journal of Bionic Engineering, 2022, 19, 1054-1063.	5.0	1

#	Article	IF	Citations
181	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymerâ€Growth Control. ChemPlusChem, 2014, 79, 334-334.	2.8	0
182	Highly fluorinated sulfamates with thermotropic liquid crystalline properties. Liquid Crystals, 0, , 1-8.	2.2	0
183	Macromol. Chem. Phys. 19/2016. Macromolecular Chemistry and Physics, 2016, 217, 2200-2200.	2.2	0
184	Controlling the wettability of mesh substrates by post -functionalization using the Huisgen reaction. Materials Chemistry and Physics, 2017, 195, 67-73.	4.0	0
185	Bioinspired Roseâ€Petalâ€Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. ChemPlusChem, 2017, 82, 336-336.	2.8	0
186	Macromol. Chem. Phys. 19/2017. Macromolecular Chemistry and Physics, 2017, 218, .	2.2	0
187	Formation of Nanofibers with High Water Adhesion by Electrodeposition of Films of Poly(3,4-ethylenedioxypyrrole) and Poly(3,4-propylenedioxypyrrole) Substituted by Alkyl Chains. ChemPlusChem, 2018, 83, 957-957.	2.8	0
188	Switchable and Reversible Superhydrophobic Surfaces: Part Two. , 2018, , .		0
189	Surface Nanostructure Control with Poly(ethylene glycol) (PEG) Spacer by Templateless Electropolymerization. Journal of Bionic Engineering, 2021, 18, 65-76.	5.0	0
190	Designing Tunable Omniphobic Surfaces by Controlling the Electropolymerization Sites of Carbazoleâ€Based Monomers. Macromolecular Chemistry and Physics, 2021, 222, 2100262.	2.2	0
191	CHAPTER 3. Superoleophobic Materials. RSC Soft Matter, 2016, , 42-83.	0.4	0