

Mathias Ulbricht

List of Publications by Year in descending order

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324
papers

15,762
citations

17776

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26792

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341
all docs

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docs citations

341
times ranked

14425
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of proton conductivity of magnetically aligned phosphotungstic acid-decorated cobalt oxide embedded Nafion membrane. <i>Energy</i> , 2022, 239, 121940.	4.5	10
2	Development of polysulfone ultrafiltration membranes with enhanced antifouling performance for the valorisation of side streams in the pulp and paper industry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127742.	2.3	7
3	Development of Antifouling Polysulfone Membranes by Synergistic Modification with Two Different Additives in Casting Solution and Coagulation Bath: Synperonic F108 and Polyacrylic Acid. <i>Materials</i> , 2022, 15, 359.	1.3	12
4	Impact of Climate Change on Drinking Water Safety. <i>ACS ES&T Water</i> , 2022, 2, 259-261.	2.3	16
5	Mixed-Matrix Membrane Adsorbers for the Simultaneous Removal of Different Pharmaceutical Micropollutants from Water. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1705-1716.	2.0	10
6	Microfiltration of polymeric microgels as soft model colloids through sterile filter membranes. <i>Journal of Membrane Science</i> , 2022, 649, 120364.	4.1	1
7	Investigation and Visualization of Flow Fields in Stirred Tank Reactors Using a Fluorescence Tracer Method. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 1131-1140.	0.4	3
8	Long-term direct ultrafiltration without chemical cleaning for purification of micro-polluted water in rural regions: Feasibility and application prospects. <i>Chemical Engineering Journal</i> , 2022, 443, 136531.	6.6	3
9	PVDF membranes modified with diblock copolymer PEO-b-PMMA as additive: Effects of copolymer and barrier pore size on filtration performance and fouling in a membrane bioreactor. <i>Chemical Engineering Research and Design</i> , 2022, 184, 678-691.	2.7	2
10	Tensile strength deterioration of PVC coated PET woven fabrics under single and multiplied artificial weathering impacts and cyclic loading. <i>Construction and Building Materials</i> , 2022, 342, 127843.	3.2	6
11	Elucidating ion transport mechanism in polyelectrolyte-complex membranes. <i>Journal of Membrane Science</i> , 2022, 658, 120757.	4.1	6
12	Soft synthetic microgels as mimics of mycoplasma. <i>Soft Matter</i> , 2021, 17, 6445-6460.	1.2	3
13	Novel finely structured polymer aerogels using organogelators as a structure-directing component. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20695-20702.	5.2	6
14	Water Influence on the Uniaxial Tensile Behavior of Polytetrafluoroethylene-Coated Glass Fiber Fabric. <i>Materials</i> , 2021, 14, 846.	1.3	3
15	Amphiphilic poly(arylene ether sulfone) multiblock copolymers with quaternary ammonium groups for novel thin-film composite nanofiltration membranes. <i>Polymer</i> , 2021, 217, 123446.	1.8	5
16	Concentration Polarization Enabled Reactive Coating of Nanofiltration Membranes with Zwitterionic Hydrogel. <i>Membranes</i> , 2021, 11, 187.	1.4	7
17	Cotton as Precursor for the Preparation of Porous Cellulose Adsorbers. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000778.	1.7	3
18	Three-Dimensional Analysis of the Natural-Organic-Matter Distribution in the Cake Layer to Precisely Reveal Ultrafiltration Fouling Mechanisms. <i>Environmental Science & Technology</i> , 2021, 55, 5442-5452.	4.6	38

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19	Poly(ether sulfone) hollow fiber membranes prepared via nonsolvent-induced phase separation using the green solvent Agnique® AMD 3ÅL. Journal of Applied Polymer Science, 2021, 138, 50935.	1.3	12
20	Preparation and characterization of hydrophilic and antibacterial silver decorated silica-grafted poly(vinylpyrrolidone) (Ag_2O-PVP) nanoparticles for polymeric nanocomposites. Journal of Applied Polymer Science, 2021, 138, 50977.	1.3	8
21	Studying Fluid Characteristics Atop Surface Patterned Membranes via Particle Image Velocimetry. Chemie-Ingenieur-Technik, 2021, 93, 1401-1407.	0.4	1
22	Polyelectrolyte Functionalisation of Track Etched Membranes: Towards Charge-Tuneable Adsorber Materials. Membranes, 2021, 11, 509.	1.4	2
23	Surface Modification of Ready-to-Use Hollow Fiber Ultrafiltration Modules for Oil/Water Separation. Chemie-Ingenieur-Technik, 2021, 93, 1408-1416.	0.4	3
24	Polyzwitterionic hydrogel coating for reverse osmosis membranes by concentration polarization-enhanced in situ click-reaction that is applicable in modules. Journal of Membrane Science, 2021, 629, 119274.	4.1	12
25	Preparation and characterization of asymmetric hollow fiber polyvinyl chloride (PVC) membrane for forward osmosis application. Separation and Purification Technology, 2021, 270, 118801.	3.9	23
26	A mixed-charge polyelectrolyte complex nanofiltration membrane: Preparation, performance and stability. Journal of Membrane Science, 2021, 636, 119579.	4.1	10
27	Artificial Weathering Mechanisms of Uncoated Structural Polyethylene Terephthalate Fabrics with Focus on Tensile Strength Degradation. Materials, 2021, 14, 618.	1.3	10
28	Thinking the future of membranes: Perspectives for advanced and new membrane materials and manufacturing processes. Journal of Membrane Science, 2020, 598, 117761.	4.1	348
29	β-Cyclodextrin-based star polymers for membrane surface functionalization: Covalent grafting via click-chemistry and enhancement of ultrafiltration properties. Journal of Membrane Science, 2020, 596, 117610.	4.1	7
30	TETA-anchored graphene oxide enhanced polyamide thin film nanofiltration membrane for water purification; performance and antifouling properties. Journal of Environmental Management, 2020, 276, 111299.	3.8	23
31	High performance isotropic polyethersulfone membranes for heavy oil-in-water emulsion separation. Separation and Purification Technology, 2020, 253, 117467.	3.9	37
32	Mixed Poiseuille-Knudsen flow model for Gas Liquid Displacement porometry data treatment. Journal of Membrane Science, 2020, 612, 118422.	4.1	4
33	Modification of Polysulfone Ultrafiltration Membranes via Addition of Anionic Polyelectrolyte Based on Acrylamide and Sodium Acrylate to the Coagulation Bath to Improve Antifouling Performance in Water Treatment. Membranes, 2020, 10, 264.	1.4	21
34	Entwicklung einer 3D-Shadowgraphy-Messapparatur zur Bestimmung des Aufstiegsverhaltens von Gasblasen. Chemie-Ingenieur-Technik, 2020, 92, 1307-1308.	0.4	1
35	Tailoring and Remotely Switching Performance of Ultrafiltration Membranes by Magnetically Responsive Polymer Chains. Membranes, 2020, 10, 219.	1.4	2
36	Aufklärung der charakteristischen Dimensionen von Strömungsfeldern in mehrstufigen Rührreaktoren mithilfe einer Fluoreszenz-Tracer-Methode. Chemie-Ingenieur-Technik, 2020, 92, 1305-1306.	0.4	2

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37	Polymer Nanocomposite Ultrafiltration Membranes: The Influence of Polymeric Additive, Dispersion Quality and Particle Modification on the Integration of Zinc Oxide Nanoparticles into Polyvinylidene Difluoride Membranes. <i>Membranes</i> , 2020, 10, 197.	1.4	18
38	One-Step Preparation of Antifouling Polysulfone Ultrafiltration Membranes via Modification by a Cationic Polyelectrolyte Based on Polyacrylamide. <i>Polymers</i> , 2020, 12, 1017.	2.0	21
39	A swift technique to hydrophobize graphene and increase its mechanical stability and charge carrier density. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	3.9	3
40	Tailored CNTs Buckypaper Membranes for the Removal of Humic Acid and Separation of Oil-In-Water Emulsions. <i>Membranes</i> , 2020, 10, 97.	1.4	10
41	Improving the efficiency of Nafion-based proton exchange membranes embedded with magnetically aligned silica-coated Co ₃ O ₄ nanoparticles. <i>Solid State Ionics</i> , 2020, 351, 115343.	1.3	18
42	Fabrication of a novel and highly selective ion-imprinted PES-based porous adsorber membrane for the removal of mercury(II) from water. <i>Separation and Purification Technology</i> , 2020, 250, 117183.	3.9	17
43	Tunable and switchable nanoparticle separation with thermo-responsive track-etched membranes prepared by controlled surface-initiated polymerization of poly(<i>N</i> -isopropylacrylamide). <i>RSC Advances</i> , 2020, 10, 21028-21038.	1.7	6
44	Design and synthesis of organic polymers for molecular separation membranes. <i>Current Opinion in Chemical Engineering</i> , 2020, 28, 60-65.	3.8	22
45	Cellulose/chitosan porous spheres prepared from 1-butyl-3-methylimidazolium acetate/dimethylformamide solutions for Cu ²⁺ adsorption. <i>Carbohydrate Polymers</i> , 2020, 237, 116135.	5.1	14
46	Development of a bone substitute material based on additive manufactured Ti6Al4V alloys modified with bioceramic calcium carbonate coating: Characterization and antimicrobial properties. <i>Ceramics International</i> , 2020, 46, 25661-25670.	2.3	12
47	High-performance positively charged hollow fiber nanofiltration membranes fabricated via green approach towards polyethyleneimine layer assembly. <i>Separation and Purification Technology</i> , 2020, 251, 117313.	3.9	31
48	Preparation and characterization of polyzwitterionic hydrogel coated polyamide-based mixed matrix membrane for heavy metal ions removal. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49595.	1.3	21
49	Polyethyleneoxide- <i>b</i> -poly(isopropyl methacrylate) diblock copolymers as novel material for ultrafiltration membranes. <i>Journal of Polymer Science</i> , 2020, 58, 2561-2574.	2.0	2
50	One-step preparation of porous cellulose/chitosan macro-spheres from ionic liquid-based solutions. <i>Cellulose</i> , 2020, 27, 5689-5705.	2.4	16
51	Hydrophilic poly(phenylene sulfone) membranes for ultrafiltration. <i>Separation and Purification Technology</i> , 2020, 250, 117107.	3.9	13
52	Factors Affecting the Nonsolvent-Induced Phase Separation of Cellulose from Ionic Liquid-Based Solutions. <i>ACS Omega</i> , 2020, 5, 27314-27322.	1.6	19
53	The Investigation of the Influence of Low-Temperature Plasma and Steam Sterilization on the Properties of Track Membranes Made of Polyethylene Terephthalate. <i>Inorganic Materials: Applied Research</i> , 2020, 11, 1116-1123.	0.1	1
54	Interfacial Polymerization of Zwitterionic Building Blocks for High-Flux Nanofiltration Membranes. <i>Langmuir</i> , 2019, 35, 1284-1293.	1.6	71

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55	Influence of Lipase Immobilization Mode on Ethyl Acetate Hydrolysis in a Continuous Solid-Gas Biocatalytic Membrane Reactor. <i>Bioconjugate Chemistry</i> , 2019, 30, 2238-2246.	1.8	9
56	Nanofillers dissolution as a crucial challenge for the performance stability of thin-film nanocomposite desalination membranes. <i>Separation and Purification Technology</i> , 2019, 228, 115767.	3.9	14
57	Optical Measurement Method of Particle Suspension in Stirred Vessels. <i>Chemie-Ingenieur-Technik</i> , 2019, 91, 1326-1332.	0.4	10
58	Recovery of Water from Concentration of Copper Mining Effluents Using Direct Contact Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19599-19610.	1.8	7
59	Tailoring Surface Characteristics of Polyamide Thin-Film Composite Membranes toward Pronounced Switchable Wettability. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801408.	1.9	7
60	Relationship between bubble characteristics and hydrodynamic parameters for single bubbles in presence of surface active agents. <i>Chemical Engineering Science</i> , 2019, 199, 179-198.	1.9	9
61	Porous poly(vinylidene fluoride) membranes with tailored properties by fast and scalable non-solvent vapor induced phase separation. <i>Journal of Membrane Science</i> , 2019, 577, 69-78.	4.1	41
62	Glucose-Responsive Polymeric Hydrogel Materials: From a Novel Technique for the Measurement of Glucose Binding toward Swelling Pressure Sensor Applications. <i>ACS Applied Bio Materials</i> , 2019, 2, 2464-2480.	2.3	13
63	Influence of Surface Micro-Patterning and Hydrogel Coating on Colloidal Silica Fouling of Polyamide Thin-Film Composite Membranes. <i>Membranes</i> , 2019, 9, 67.	1.4	23
64	Piezoelectric 3-D Fibrous Poly(3-hydroxybutyrate)-Based Scaffolds Ultrasound-Mineralized with Calcium Carbonate for Bone Tissue Engineering: Inorganic Phase Formation, Osteoblast Cell Adhesion, and Proliferation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19522-19533.	4.0	88
65	Decreased bacterial colonization of additively manufactured Ti6Al4V metallic scaffolds with immobilized silver and calcium phosphate nanoparticles. <i>Applied Surface Science</i> , 2019, 480, 822-829.	3.1	47
66	Application of Raman spectroscopy to the flotation process of fluorite. <i>Minerals Engineering</i> , 2019, 135, 129-138.	1.8	5
67	Photocatalytic and magnetic porous cellulose microspheres for water purification. <i>Cellulose</i> , 2019, 26, 4563-4578.	2.4	8
68	Microfiltration membrane characterization by gas-liquid displacement porometry: Matching experimental pore number distribution with liquid permeability and bulk porosity. <i>Journal of Membrane Science</i> , 2019, 569, 104-116.	4.1	14
69	Adhesion, proliferation, and osteogenic differentiation of human mesenchymal stem cells on additively manufactured Ti6Al4V alloy scaffolds modified with calcium phosphate nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 130-139.	2.5	37
70	Functionalization of titania nanotubes with electrophoretically deposited silver and calcium phosphate nanoparticles: Structure, composition and antibacterial assay. <i>Materials Science and Engineering C</i> , 2019, 97, 420-430.	3.8	48
71	Investigation of virus retention by size exclusion membranes under different flow regimes. <i>Biotechnology Progress</i> , 2019, 35, e2747.	1.3	13
72	Influence of flow alterations on bacteria retention during microfiltration. <i>Journal of Membrane Science</i> , 2019, 575, 147-159.	4.1	7

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73	Visualization of flow conditions inside spiral jet mills with different nozzle numbers— Analysis of unloaded and loaded mills and correlation with grinding performance. Powder Technology, 2019, 342, 108-117.	2.1	19
74	Calorimetric studies of PEO-b-PMMA and PEO-b-PiPMA diblock copolymers synthesized via atom transfer radical polymerization. Polymer, 2018, 139, 11-19.	1.8	8
75	Experimental analysis of the flow conditions in spiral jet mills via non-invasive optical methods. Powder Technology, 2018, 325, 161-166.	2.1	12
76	Controlling external versus internal pore modification of ultrafiltration membranes using surface-initiated AGET-ATRP. Journal of Membrane Science, 2018, 554, 109-116.	4.1	30
77	Poly(ethylene oxide)-block-poly(methyl methacrylate) diblock copolymers as functional additive for poly(vinylidene fluoride) ultrafiltration membranes with tailored separation performance. Journal of Membrane Science, 2018, 545, 301-311.	4.1	45
78	Determination of pore size gradients of virus filtration membranes using gold nanoparticles and their relation to fouling with protein containing feed streams. Journal of Membrane Science, 2018, 548, 598-608.	4.1	22
79	Polyarylsulfone-based blend ultrafiltration membranes with combined size and charge selectivity for protein separation. Separation and Purification Technology, 2018, 193, 127-138.	3.9	39
80	Exploiting Synergetic Effects of Graphene Oxide and a Silver-Based Metal-Organic Framework To Enhance Antifouling and Anti-Biofouling Properties of Thin-Film Nanocomposite Membranes. ACS Applied Materials & Interfaces, 2018, 10, 42967-42978.	4.0	161
81	Synthesis of well-defined cross-linkable zwitterionic macromolecular building blocks for hydrogels. Reactive and Functional Polymers, 2018, 131, 251-257.	2.0	5
82	Potassium-sensitive poly(<i>N</i> -isopropylacrylamide)-based hydrogels for sensor applications. Polymer Chemistry, 2018, 9, 3600-3614.	1.9	9
83	Influence of controlled functionalization of mesoporous silica nanoparticles as tailored fillers for thin-film nanocomposite membranes on desalination performance. Journal of Membrane Science, 2018, 563, 149-161.	4.1	50
84	An automated image analysing routine for estimation of equivalent diameter in high-speed image sequences with high accuracy and its validation. Experimental Thermal and Fluid Science, 2018, 98, 158-169.	1.5	7
85	A comparative study on the photocatalytic degradation of organic dyes using hybridized 1T/2H, 1T/3R and 2H MoS ₂ nano-sheets. RSC Advances, 2018, 8, 26364-26370.	1.7	63
86	On the Potential of Using Dual-Function Hydrogels for Brackish Water Desalination. Polymers, 2018, 10, 567.	2.0	19
87	Advances in Multi-Scale Pores and Channels Systems. Small, 2018, 14, 1800908.	5.2	23
88	Surface micro-patterning as a promising platform towards novel polyamide thin-film composite membranes of superior performance. Journal of Membrane Science, 2017, 529, 11-22.	4.1	59
89	Model-dependent analysis of gas flow/pore dewetting data for microfiltration membranes. Journal of Membrane Science, 2017, 533, 351-363.	4.1	5
90	Nano-sized metal organic framework to improve the structural properties and desalination performance of thin film composite forward osmosis membrane. Journal of Membrane Science, 2017, 531, 59-67.	4.1	148

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91	Ionic Liquid-Based Route for the Preparation of Catalytically Active Cellulose- TiO_2 Porous Films and Spheres. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2967-2975.	1.8	17
92	A highly selective protein adsorber via two-step surface-initiated molecular imprinting utilizing a multi-functional polymeric scaffold on a macroporous cellulose membrane. <i>RSC Advances</i> , 2017, 7, 11012-11019.	1.7	14
93	How Do Polyethylene Glycol and Poly(sulfobetaine) Hydrogel Layers on Ultrafiltration Membranes Minimize Fouling and Stay Stable in Cleaning Chemicals?. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6785-6795.	1.8	29
94	Determination of pore size distributions of virus filtration membranes using gold nanoparticles and their correlation with virus retention. <i>Journal of Membrane Science</i> , 2017, 533, 289-301.	4.1	38
95	Improvement of virus removal using ultrafiltration membranes modified with grafted zwitterionic polymer hydrogels. <i>Water Research</i> , 2017, 116, 86-94.	5.3	63
96	Development of a Novel Immobilization Method by Using Microgels to Keep Enzyme in Hydrated Microenvironment in Porous Hydrophobic Membranes. <i>Macromolecular Bioscience</i> , 2017, 17, 1600381.	2.1	23
97	Photocatalytic and Magnetic Porous Cellulose-Based Nanocomposite Films Prepared by a Green Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9858-9868.	3.2	22
98	Tunable magneto-responsive mesoporous block copolymer membranes. <i>Journal of Membrane Science</i> , 2017, 544, 406-415.	4.1	12
99	Particle Image Velocimetry Compared to CFD Simulation of Stirred Vessels with Helical Coils. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 401-408.	0.4	4
100	Enzymatic hydrolysis of poly(ethyleneterephthalate) used for and analysed by pore modification of track-etched membranes. <i>New Biotechnology</i> , 2017, 39, 42-50.	2.4	14
101	How to design a proper membrane for a membrane contactor-based air conditioning system. , 2017, , .		0
102	Fabrication of nanoporous graphene/polymer composite membranes. <i>Nanoscale</i> , 2017, 9, 10487-10493.	2.8	55
103	Fabrication of modified polyethersulfone membranes for wastewater treatment by submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2017, 175, 36-46.	3.9	67
104	Hollow fiber membrane lumen modified by polyzwitterionic grafting. <i>Journal of Membrane Science</i> , 2017, 522, 1-11.	4.1	38
105	1.5 State-of-the-Art and Perspectives of Organic Materials for Membrane Preparation. , 2017, , 85-119.		9
106	Synthesis of Ionic Imprinted Polymer Particles for Selective Membrane Transport of Fe(III) using Polyegenol as the Functional Polymer. <i>Oriental Journal of Chemistry</i> , 2016, 32, 77-84.	0.1	6
107	Macro-initiator mediated surface selective functionalization of ultrafiltration membranes with anti-fouling hydrogel layers applicable to ready-to-use capillary membrane modules. <i>Journal of Membrane Science</i> , 2016, 518, 328-337.	4.1	30
108	Ultrafiltration membrane-based purification of bioconjugated gold nanoparticle dispersions. <i>Separation and Purification Technology</i> , 2016, 157, 120-130.	3.9	25

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109	Monoclonal antibody capture from cell culture supernatants using epitope imprinted macroporous membranes. RSC Advances, 2016, 6, 53162-53169.	1.7	37
110	Effect of annealing temperature on pore formation in preparation of advanced polyethylene battery separator membranes. Materials Today Communications, 2016, 8, 23-30.	0.9	22
111	Magneto-responsive Poly(ether sulfone)-Based Iron Oxide <i>cum</i> Hydrogel Mixed Matrix Composite Membranes for Switchable Molecular Sieving. ACS Applied Materials & Interfaces, 2016, 8, 29001-29014.	4.0	34
112	Assessing biofouling resistance of a polyamide reverse osmosis membrane surface-modified with a zwitterionic polymer. Journal of Membrane Science, 2016, 520, 490-498.	4.1	64
113	Degradation of Polymeric Brominated Flame Retardants: Development of an Analytical Approach Using PolyFR and UV Irradiation. Environmental Science & Technology, 2016, 50, 12912-12920.	4.6	23
114	Improved Antifouling Properties of Polydimethylsiloxane Films via Formation of Polysiloxane/Polyzwitterion Interpenetrating Networks. Macromolecular Rapid Communications, 2016, 37, 2030-2036.	2.0	37
115	Vergleich von Tubebaffles und Rohrschlangen in Bezug auf thermische und mechanische Energieeintragung in R $\frac{1}{4}$ hrreaktoren. Chemie-Ingenieur-Technik, 2016, 88, 1224-1224.	0.4	6
116	Untersuchung der Gasdichteverteilung in begasten R $\frac{1}{4}$ hrkesseln mit eintauchenden Rohrschlangen. Chemie-Ingenieur-Technik, 2016, 88, 1385-1386.	0.4	4
117	Capillary pore membranes with grafted diblock copolymers showing reversibly changing ultrafiltration properties with independent response to ions and temperature. Journal of Membrane Science, 2016, 514, 510-517.	4.1	17
118	Antifouling and Antibacterial Multifunctional Polyzwitterion/Enzyme Coating on Silicone Catheter Material Prepared by Electrostatic Layer-by-Layer Assembly. Langmuir, 2016, 32, 1347-1359.	1.6	122
119	Preparation and characterization of low fouling novel hybrid ultrafiltration membranes based on the blends of GO \sim TiO $_2$ nanocomposite and polysulfone for humic acid removal. Journal of Membrane Science, 2016, 506, 38-49.	4.1	183
120	Surface wettability and energy effects on the biological performance of poly-3-hydroxybutyrate films treated with RF plasma. Materials Science and Engineering C, 2016, 62, 450-457.	3.8	33
121	Novel magneto-responsive membrane for remote control switchable molecular sieving. Journal of Materials Chemistry B, 2016, 4, 867-879.	2.9	31
122	Membrane-based purification of proteins from nanoparticle dispersions: Influences of membrane type and ultrafiltration conditions. Separation and Purification Technology, 2016, 158, 171-182.	3.9	27
123	A fast and reliable approach to benchmark low pressure hollow fibre filtration membranes for water purification. Journal of Membrane Science, 2016, 499, 515-525.	4.1	8
124	Oxygen and ammonia plasma treatment of poly(3-hydroxybutyrate) films for controlled surface zeta potential and improved cell compatibility. Materials Letters, 2016, 163, 277-280.	1.3	8
125	Selective transport of Fe(III) using ionic imprinted polymer (IIP) membrane particle. AIP Conference Proceedings, 2015, , .	0.3	2
126	Correlation between surface properties and wettability of multi-scale structured biocompatible surfaces. IOP Conference Series: Materials Science and Engineering, 2015, 98, 012026.	0.3	1

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127	Selective Transport of Fe(III) Using Polyεuugenol as Functional Polymer with Ionic Imprinted Polymer Membrane Method. Asian Journal of Chemistry, 2015, 27, 4553-4562.	0.1	11
128	Gating mechanism under pressure. Nature, 2015, 519, 41-42.	13.7	10
129	Quaternized polysulfone and graphene oxide nanosheet derived low fouling novel positively charged hybrid ultrafiltration membranes for protein separation. RSC Advances, 2015, 5, 51208-51219.	1.7	58
130	Poly(<i>N,N</i> -dimethylaminoethyl methacrylate) Brushes: pH-Dependent Switching Kinetics of a Surface-Grafted Thermoresponsive Polyelectrolyte. Langmuir, 2015, 31, 13426-13432.	1.6	34
131	Nano-hydroxyapatite-coated metal-ceramic composite of iron-tricalcium phosphate: Improving the surface wettability, adhesion and proliferation of mesenchymal stem cells in vitro. Colloids and Surfaces B: Biointerfaces, 2015, 135, 386-393.	2.5	41
132	Ultrafiltration membranes with markedly different pH- and ion-responsivity by photografted zwitterionic polysulfobetain or polycarbobetain. Journal of Membrane Science, 2015, 494, 57-67.	4.1	56
133	Isotropic macroporous polyethersulfone membranes as competitive supports for high performance polyamide desalination membranes. Journal of Membrane Science, 2015, 493, 782-793.	4.1	33
134	Design of Thermally Responsive Polymeric Hydrogels for Brackish Water Desalination: Effect of Architecture on Swelling, Deswelling, and Salt Rejection. ACS Applied Materials & Interfaces, 2015, 7, 15696-15706.	4.0	61
135	Routes towards catalytically active TiO ₂ doped porous cellulose. RSC Advances, 2015, 5, 35866-35873.	1.7	32
136	Electropolymerized Molecularly Imprinted Polypyrrole Film for Sensing of Clofibric Acid. Sensors, 2015, 15, 4870-4889.	2.1	57
137	Detoxification of hexavalent chromium in wastewater containing organic substances using simonkolleite-TiO ₂ photocatalyst. Chemical Engineering Research and Design, 2015, 95, 247-254.	2.7	60
138	Thin-film composite membranes for organophilic nanofiltration based on photo-cross-linkable polyimide. Reactive and Functional Polymers, 2015, 86, 233-242.	2.0	22
139	Two step and one step preparation of porous nanocomposite cellulose membranes doped with TiO ₂ . RSC Advances, 2015, 5, 88070-88078.	1.7	15
140	Novel functionalization of porous polypropylene microfiltration membranes: via grafted poly(aminoethyl methacrylate) anchored Schiff bases toward membrane adsorbers for metal ions. Polymer Chemistry, 2015, 6, 1584-1593.	1.9	17
141	Synthesis of Fe Ionic-Imprinted Polyεuugenol Using Polyethylene Glycol Diglycidilether as Cross-Linking Agent for Sorption of Fe(III). Indonesian Journal of Chemistry, 2015, 15, 305-314.	0.3	17
142	Nanoporous Polymer Filters and Membranes, Selective Filters. , 2015, , 1-12.		0
143	Poly (N-Isopropylacrylamide) Hydrogel Networks and Sieving Characteristics. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	0
144	Novel ultrafiltration membranes with adjustable charge density based on sulfonated poly(arylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 354-365.	1.8	58

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145	Macroinitiator-mediated photoreactive coating of membrane surfaces with antifouling hydrogel layers. <i>Journal of Membrane Science</i> , 2014, 455, 207-218.	4.1	54
146	Wettability of Thin Silicate-Containing Hydroxyapatite Films Formed by RF-Magnetron Sputtering. <i>Russian Physics Journal</i> , 2014, 56, 1163-1169.	0.2	6
147	ZnO-modified hybrid polymers as an antibacterial finish for textiles. <i>Textile Reseach Journal</i> , 2014, 84, 40-51.	1.1	39
148	Low fouling negatively charged hybrid ultrafiltration membranes for protein separation from sulfonated poly(arylene ether sulfone) block copolymer and functionalized multiwalled carbon nanotubes. <i>Separation and Purification Technology</i> , 2014, 127, 181-191.	3.9	51
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