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List of articles citing

The influence of nano-sized TiO<sub>2</sub> fillers on the morphologies and properties of PSF UF membrane

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#	Paper	IF	Citations
571	Structure control of asymmetric poly(vinyl butyral)-TiO <sub>2</sub> composite membrane prepared by nonsolvent induced phase separation. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 713-723	2.9	25
570	Effect of the addition of the surfactant Tetronic 1307 on poly(ether sulfone) porous hollow-fiber membrane formation. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 3411-3418	2.9	15
569	Removal of natural organic matter by ultrafiltration with TiO <sub>2</sub> -coated membrane under UV irradiation. <b>2008</b> , 323, 112-9		43
568	The research of rheology and thermodynamics of organic/inorganic hybrid membrane during the membrane formation. <i>Journal of Membrane Science</i> , <b>2008</b> , 311, 200-207	9.6	71
567	Effect of filler incorporation route on the properties of polysulfone/silver nanocomposite membranes of different porosities. <i>Journal of Membrane Science</i> , <b>2008</b> , 325, 58-68	9.6	229
566	Effect of silica particles on cellulose acetate blend ultrafiltration membranes: Part I. <b>2008</b> , 64, 38-47		172
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564	The use of nanoparticles in anti-microbial materials and their characterization. <b>2008</b> , 133, 835-45		204
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410	Synthesis, Characterization, and Visible Light Degradation of Rhodamine B Dye by Carbon-Covered Alumina Supported Pd-TiO <sub>2</sub> /Polysulfone Membranes. <b>2014</b> , 49, 2124-2134		6
409	Effect of TiO <sub>2</sub> nanoparticles on the performance of polyphenylsulfone biomaterial for orthopaedic implants. <b>2014</b> , 2, 7502-7514		39
408	Antifouling behaviours of PVDF/nano-TiO <sub>2</sub> composite membranes revealed by surface energetics and quartz crystal microbalance monitoring. <b>2014</b> , 4, 43590-43598		38
407	Reactive phase inversion for manufacture of asymmetric poly (ether imide sulfone) membranes. <b>2014</b> , 85, 1-10		2
406	The use of nanoparticles as alternative pore former for the production of more sustainable polyethersulfone ultrafiltration membranes. <i>Journal of Membrane Science</i> , <b>2014</b> , 471, 168-178	9.6	34
405	Preparation and characterization of emulsion poly(vinyl chloride) (EPVC)/TiO <sub>2</sub> nanocomposite ultrafiltration membrane. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 185-193	9.6	134
404	TiO <sub>2</sub> based photocatalytic membranes: A review. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 167-184	9.6	328
403	Study on the effect of modified PVDF ultrafiltration membrane for secondary effluent of urban sewage. <b>2014</b> , 52, 5084-5091		6
402	Breaking through tradeoff of Polysulfone ultrafiltration membranes by zeolite 4A. <b>2014</b> , 186, 113-120		33
401	Polymeric and mixed matrix polyimide membranes. <b>2014</b> , 132, 684-696		41
400	Multifunctional Nanomaterial-Enabled Membranes for Water Treatment. <b>2014</b> , 155-171		2
399	Desalination of dye solution utilizing PVA/PVDF hollow fiber composite membrane modified with TiO <sub>2</sub> nanoparticles. <i>Journal of Membrane Science</i> , <b>2014</b> , 471, 118-129	9.6	90
398	Influence of TiO <sub>2</sub> Nanoparticles on the Morphological, Thermal and Solution Properties of PVA/TiO <sub>2</sub> Nanocomposite Membranes. <b>2014</b> , 39, 6805-6814		59
397	A facile route to the preparation of mixed matrix polyvinylidene fluoride membranes with in-situ generated polyethyleneimine particles. <i>Journal of Membrane Science</i> , <b>2014</b> , 450, 93-102	9.6	36
396	Substrate impact on optical and microstructural properties of TiO <sub>2</sub> /BEG sol-gel films. <b>2014</b> , 40, 11803-11811		9
395	Preparation and characterization of ZrO <sub>2</sub> /PES hybrid ultrafiltration membrane with uniform ZrO <sub>2</sub> nanoparticles. <i>Desalination</i> , <b>2014</b> , 332, 60-66	10.3	94
394	Treatment of paper mill effluent using Polyethersulfone/functionalised multiwalled carbon nanotubes based nanocomposite membranes. <b>2014</b> , 236, 369-377		34
393	Effect of addition of two-dimensional ZIF-L nanoflakes on the properties of polyethersulfone ultrafiltration membrane. <i>Journal of Membrane Science</i> , <b>2014</b> , 460, 9-17	9.6	74

392	Polymer mesocomposites: Ultrafiltration membrane materials with enhanced permeability, selectivity and fouling resistance. <i>Journal of Membrane Science</i> , <b>2014</b> , 453, 478-488	9.6	19
391	Green synthesis of reduced graphene oxide/polyaniline composite and its application for salt rejection by polysulfone-based composite membranes. <b>2014</b> , 118, 5707-16		60
390	Performance of a newly developed titanium oxide nanotubes/polyethersulfone blend membrane for water desalination using vacuum membrane distillation. <i>Desalination</i> , <b>2014</b> , 346, 30-36	10.3	53
389	Recent progress in developing advanced membranes for emulsified oil/water separation. <b>2014</b> , 6, e101-e101		479
388	Water Remediation Using Nanoparticle and Nanocomposite Membranes. <b>2014</b> , 269-291		2
387	Understanding and guiding the phase inversion process for synthesis of solvent resistant nanofiltration membranes. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	204
386	Preparation and Characterization of Chitosan Thin Films on Mixed-Matrix Membranes for Complete Removal of Chromium. <b>2015</b> , 4, 278-87		41
385	Polymer Nano-Composite Membranes. <b>2015</b> , 05,		4
384	Photocatalytic Degradation of Eosin Yellow Using Poly(pyrrole-co-aniline)-Coated TiO <sub>2</sub> /Nanocellulose Composite under Solar Light Irradiation. <b>2015</b> , 2015, 1-11		10
383	Recent Developments in Environmental Photocatalytic Degradation of Organic Pollutants: The Case of Titanium Dioxide Nanoparticles A Review. <b>2015</b> , 2015, 1-29		130
382	Preparation and performance studies of polysulfone-sulfated nano-titania (S-TiO <sub>2</sub> ) nanofiltration membranes for dye removal. <b>2015</b> , 5, 53874-53885		49
381	Novel, Facile, Single-Step Technique of Polymer/TiO <sub>2</sub> Nanofiber Composites Membrane for Photodegradation of Methylene Blue. <b>2015</b> , 7, 13329-41		63
380	Preparation and characterization of thermally stable copoly(phthalazinone biphenyl ether sulfone) hollow fiber ultrafiltration membranes. <b>2015</b> , 335, 189-197		11
379	Inorganic particle enhanced polymer hollow fiber membranes with high mechanical properties. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 167, 209-218	4.4	16
378	The evaluation of thin film composite membrane composed of an electrospun polyacrylonitrile nanofibrous mid-layer for separating oil/water mixture. <i>Desalination</i> , <b>2015</b> , 359, 14-21	10.3	23
377	Cellulose nanofibre composite membranes Biodegradable and recyclable UF membranes. <b>2015</b> , 265, 138-146		61
376	Immobilization of Thiol-Functionalized Nanosilica on the Surface of Poly(ether sulfone) Membranes for the Removal of Heavy-Metal Ions from Industrial Wastewater Samples. <b>2015</b> , 54, 502-513		31
375	Fabrication of mixed matrix heterogeneous cation exchange membrane modified by titanium dioxide nanoparticles: Mono/bivalent ionic transport property in desalination. <i>Desalination</i> , <b>2015</b> , 359, 167-175	10.3	49

374	Novel polymer matrix composite membrane doped with fumed silica particles for reverse osmosis desalination. <i>Desalination</i> , <b>2015</b> , 368, 159-170	10.3	40
373	Efficacy of carbon nanotube positioning in the polyethersulfone support layer on the performance of thin-film composite membrane for desalination. <b>2015</b> , 266, 376-384		92
372	Advances in polymeric membranes for water treatment. <b>2015</b> , 3-41		17
371	Improved antibacterial activity of nanofiltration polysulfone membranes modified with silver nanoparticles. <b>2015</b> , 81, 333-42		95
370	Incorporation of N-doped TiO <sub>2</sub> nanorods in regenerated cellulose thin films fabricated from recycled newspaper as a green portable photocatalyst. <b>2015</b> , 133, 429-37		68
369	Nanotechnology for Chemical Engineers. <b>2015</b> ,		5
368	Fabrication of tethered carbon nanotubes in cellulose acetate/polyethylene glycol-400 composite membranes for reverse osmosis. <b>2015</b> , 132, 589-97		66
367	From Nanotechnology to Nanoengineering. <b>2015</b> , 79-178		6
366	Effects of a dual nanofiller, nano-TiO <sub>2</sub> and MWCNT, for polysulfone-based nanocomposite membranes for water purification. <i>Desalination</i> , <b>2015</b> , 372, 47-56	10.3	91
365	What is the concentration threshold of nanoparticles within the membrane structure? A case study of Al <sub>2</sub> O <sub>3</sub> /PSf nanocomposite membrane. <i>Desalination</i> , <b>2015</b> , 372, 75-88	10.3	37
364	Synthesis and characterization of novel hybrid polysulfone/silica membranes doped with phosphomolybdic acid for fuel cell applications. <i>Journal of Membrane Science</i> , <b>2015</b> , 492, 371-379	9.6	25
363	Functionalized titanate nanotube/polyetherimide nanocomposite membrane for improved salt rejection under low pressure nanofiltration. <b>2015</b> , 5, 39464-39473		38
362	Preparation of a novel PSf membrane containing rGO/PTh and its physical properties and membrane performance. <b>2015</b> , 5, 42422-42429		8
361	PVdF/graphene oxide hybrid membranes via electrospinning for water treatment applications. <b>2015</b> , 5, 46711-46717		72
360	Novel nanohybrid polysulfone membrane embedded with silver nanoparticles on graphene oxide nanoplates. <b>2015</b> , 277, 1-10		134
359	Nano-ZnO embedded mixed matrix polyethersulfone (PES) membrane: Influence of nanofiller shape on characterization and fouling resistance. <b>2015</b> , 349, 66-77		108
358	Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> entrapped ABS membranes: Preparation, characterization and study of irradiation effect. <b>2015</b> , 357, 1481-1489		8
357	Improvement in flux and antifouling properties of PVC ultrafiltration membranes by incorporation of zinc oxide (ZnO) nanoparticles. <b>2015</b> , 156, 299-310		148

356	Enhancement of the Antifouling Properties and Filtration Performance of Poly(ethersulfone) Ultrafiltration Membranes by Incorporation of Nanoporous Titania Nanoparticles. <b>2015</b> , 54, 11188-11198		49
355	The improvement of water flux and mechanical strength of PVDF hollow fiber membranes by stretching and annealing conditions. <b>2015</b> , 23, 592-600		13
354	Novel anti-microbial membrane for desalination pretreatment: A silver nanoparticle-doped carbon nanotube membrane. <i>Desalination</i> , <b>2015</b> , 376, 82-93	10.3	53
353	A novel super-hydrophilic PSf/HAO nanocomposite ultrafiltration membrane for efficient separation of oil/water emulsion. <b>2015</b> , 150, 13-20		57
352	Basic science of water: Challenges and current status towards a molecular picture. <b>2015</b> , 8, 3085-3110		21
351	Fluorocarbon functionalized SAPO-34 zeolite incorporated in asymmetric mixed matrix membranes for carbon dioxide separation in wet gases. <b>2015</b> , 206, 23-33		39
350	Effect of general montmorillonite and Cloisite 15A on structural parameters and performance of mixed matrix membranes contactor for CO <sub>2</sub> absorption. <b>2015</b> , 260, 875-885		57
349	Improved antifouling properties of TiO <sub>2</sub> /PVDF nanocomposite membranes in UV-coupled ultrafiltration. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	48
348	Anhydrous proton exchange membrane of sulfonated poly(ether ether ketone) enabled by polydopamine-modified silica nanoparticles. <b>2015</b> , 152, 443-455		129
347	Polymer-matrix nanocomposite membranes for water treatment. <i>Journal of Membrane Science</i> , <b>2015</b> , 479, 256-275	9.6	698
346	High performance PVDF-TiO <sub>2</sub> membranes for water treatment. <b>2015</b> , 123, 283-291		109
345	Polyethyleneimine, an effective additive for polyethersulfone ultrafiltration membrane with enhanced permeability and selectivity. <i>Journal of Membrane Science</i> , <b>2015</b> , 476, 216-223	9.6	49
344	Analysis of fouling mechanisms in TiO <sub>2</sub> embedded high density polyethylene membranes for collagen separation. <b>2015</b> , 93, 684-695		35
343	Enhanced ultrafiltration PES membranes doped with mesostructured functionalized silica particles. <i>Desalination</i> , <b>2015</b> , 357, 16-25	10.3	40
342	Influence of Ag/TiO <sub>2</sub> nanoparticle on the surface hydrophilicity and visible-light response activity of polyvinylidene fluoride membrane. <b>2015</b> , 324, 82-89		66
341	Inorganic Nanomaterials in Polymeric Ultrafiltration Membranes for Water Treatment. <b>2015</b> , 44, 216-249		131
340	Preparation of PVDF/CaCO <sub>3</sub> hybrid hollow fiber membranes for direct contact membrane distillation through TIPS method. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	7
339	Preparation of polysulfone titanium di oxide mixed matrix hollow fiber membrane and elimination of long term fouling by in situ photoexcitation during filtration of phenolic compounds. <b>2016</b> , 302, 773-785		23

338	Self-sterilized composite membranes of cellulose acetate/polyethylene glycol for water desalination. <b>2016</b> , 149, 207-16		32
337	High-throughput mixed-matrix membrane with superior anti-bacterial properties: A facile approach towards development of point-of-use water purification device. <b>2016</b> , 297, 193-206		6
336	Ultrafiltration using graphene oxide surface-embedded polysulfone membranes. <b>2016</b> , 166, 41-47		45
335	The effect of sulfonated polysulfone on the compatibility and structure of polyethersulfone-based blend membranes. <i>Journal of Membrane Science</i> , <b>2016</b> , 513, 1-11	9.6	92
334	Fouling mitigation behavior of magnetic responsive nanocomposite membranes in a magnetic membrane bioreactor. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 881-894	9.6	31
333	The effect of metal complex on pervaporation performance of composite membrane for separation of n -butanol/water mixture. <b>2016</b> , 44, 155-163		13
332	Preparation and characterization of a novel highly hydrophilic and antifouling polysulfone/nanoporous TiO <sub>2</sub> nanocomposite membrane. <b>2016</b> , 27, 415706		36
331	Synthesis and Characterization of Polyethersulfone/Carbon Molecular Sieve Based Mixed Matrix Membranes for Water Treatment Applications. <b>2016</b> , 148, 588-593		16
330	Self-cleaning behavior of nanocomposite membrane induced by photocatalytic WO <sub>3</sub> nanoparticles for landfill leachate treatment. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 2968-2981	2.8	21
329	Synthesis of Nanomaterial Incorporated Membranes by Physical Methods. <b>2016</b> , 161-186		1
328	Optimized preparation conditions of TiO <sub>2</sub> deposited on SiO <sub>2</sub> solid superacid nanotubes as filler materials. <b>2016</b> , 6, 83244-83255		
327	Preparation and characterization of polysulfone/organoclay adsorptive nanocomposite membrane for arsenic removal from contaminated water. <b>2016</b> , 132-133, 611-620		48
326	Influence of TiO <sub>2</sub> nanostructures on anti-adhesion and photoinduced bactericidal properties of thin film composite membranes. <b>2016</b> , 6, 82941-82948		15
325	Integrally skinned nano-cellular crosslinked asymmetric thin films infused with PEO-PPO-PEO block copolymer/ZnO-NPs for desalination using sea salt. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 183, 595-605	4.4	14
324	Solvothermal synthesis of nanoporous TiO <sub>2</sub> : the impact on thin-film composite membranes for engineered osmosis application. <b>2016</b> , 27, 345702		20
323	Zeolite ZSM5-Filled PVDF Hollow Fiber Mixed Matrix Membranes for Efficient Carbon Dioxide Removal via Membrane Contactor. <b>2016</b> , 55, 12632-12643		21
322	Inherent porous structure modified by titanium dioxide nanoparticle incorporation and effect on the fouling behavior of hybrid poly(vinylidene fluoride) membranes. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	6
321	Temporal evolution of the selectivity-permeability relationship during porous membrane filtration of protein solutions. <i>Journal of Membrane Science</i> , <b>2016</b> , 514, 385-397	9.6	8



320	Preparation of loose polypiperazine amide membranes. Effect of the nanocomposite sublayer on the NF process performance. <b>2016</b> , 294, 431-438		16
319	Enhanced As(III) removal at low concentrations by the combined pre-oxidation and nanofiltration membrane process. <b>2016</b> , 57, 28947-28956		4
318	Preparation and characterization of CTA/m-ZnO composite membrane for transport of Rhodamine B. <b>2016</b> , 57, 3037-3047		5
317	Upgrading polysulfone ultrafiltration membranes by blending with amphiphilic block copolymers: Beyond surface segregation. <i>Journal of Membrane Science</i> , <b>2016</b> , 505, 53-60	9.6	66
316	Nanocomposite membranes. <b>2016</b> , 57, 26803-26819		28
315	Synthesis, characterization and performance studies of polysulfone and polysulfone/polymer-grafted bentonite based ultrafiltration membranes for the efficient separation of oil field oily wastewater. <b>2016</b> , 102, 214-228		44
314	PVDF mixed matrix nano-filtration membranes integrated with 1D-PANI/TiO <sub>2</sub> NFs for oil/water emulsion separation. <b>2016</b> , 6, 18899-18908		23
313	Membrane-based photocatalytic systems for process intensification. <b>2016</b> , 305, 136-148		86
312	Antimicrobial polysulfone blended ultrafiltration membranes prepared with Ag/Cu <sub>2</sub> O hybrid nanowires. <i>Journal of Membrane Science</i> , <b>2016</b> , 509, 83-93	9.6	65
311	Fabrication of poly(ether sulfone) based mixed matrix membranes modified by TiO <sub>2</sub> nanoparticles for purification of biodiesel produced from waste cooking oils. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 629-637	2.8	10
310	A comprehensive review on anti-fouling nanocomposite membranes for pressure driven membrane separation processes. <i>Desalination</i> , <b>2016</b> , 379, 137-154	10.3	379
309	Effects of Inorganic Nano-Additives on Properties and Performance of Polymeric Membranes in Water Treatment. <b>2016</b> , 45, 141-167		65
308	Conjugation of silica nanoparticles with cellulose acetate/polyethylene glycol 300 membrane for reverse osmosis using MgSO <sub>4</sub> solution. <b>2016</b> , 136, 551-9		31
307	Enhancing the flux of brackish water TFC RO membrane by improving support surface porosity via a secondary pore-forming method. <i>Journal of Membrane Science</i> , <b>2016</b> , 498, 227-241	9.6	74
306	Aminated polysulfone/TiO <sub>2</sub> composite membranes for an effective removal of Cr(VI). <b>2016</b> , 283, 1494-1505		63
305	A simple drop-casting approach to fabricate the super-hydrophobic PMMA-PSF-CNFs composite coating with heat-, wear- and corrosion-resistant properties. <b>2016</b> , 294, 303-309		12
304	Performance enhancement of polysulfone ultrafiltration membrane using TiO <sub>2</sub> nanofibers. <b>2016</b> , 57, 10506-10514		9
303	Mixed Matrix Membranes for Water Purification Applications. <b>2017</b> , 46, 62-80		89

302	Polysulfone/poly(Orthotoluidine) nanocomposite membrane with an improved separation performance. <b>2017</b> , 38, E157-E166		2
301	Novel mixed matrix membranes incorporated with dual-nanofillers for enhanced oil-water separation. <b>2017</b> , 178, 113-121		68
300	A novel PES-TiO <sub>2</sub> hollow fiber hybrid membrane prepared via sol-gel process assisted reverse thermally induced phase separation (RTIPS) method. <i>Journal of Membrane Science</i> , <b>2017</b> , 528, 303-315	9.6	31
299	Fouling of WO <sub>3</sub> nanoparticle-incorporated PSf membranes in ultrafiltration of landfill leachate and dairy a combined wastewaters: An investigation using model. <b>2017</b> , 25, 741-751		18
298	Fe <sub>2</sub> O <sub>3</sub> nanocomposite PVC membrane with enhanced properties and separation performance. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 170-184	9.6	57
297	Self-cleaning anti-fouling hybrid ultrafiltration membranes via side chain grafting of poly(aryl ether sulfone) and titanium dioxide. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 1-10	9.6	81
296	Surface modification of thin film composite membrane by nanoporous titanate nanoparticles for improving combined organic and inorganic antifouling properties. <b>2017</b> , 75, 463-470		32
295	Sunlight active PSf/TiO <sub>2</sub> hybrid membrane for elimination of chromium. <b>2017</b> , 339, 89-94		20
294	Efficient rejection of organic compounds using functionalized ZSM-5 incorporated PPSU mixed matrix membrane. <b>2017</b> , 7, 15536-15552		8
293	Photocatalytic Fe-doped TiO <sub>2</sub> /PSF composite UF membranes: Characterization and performance on BPA removal under visible-light irradiation. <b>2017</b> , 319, 39-47		90
292	Synthesis and characterisation of TiO <sub>2</sub> nanofibre/cellulose acetate nanocomposite ultrafiltration membrane. <b>2017</b> , 12, 152-165		9
291	Improved PVDF membrane performance by doping extracellular polymeric substances of activated sludge. <b>2017</b> , 113, 89-96		15
290	Preparation and characterization of novel polysulphone hybrid ultrafiltration membranes blended with N-doped GO/TiO <sub>2</sub> nanocomposites. <i>Polymer</i> , <b>2017</b> , 117, 198-207	3.9	25
289	Photocatalytic degradation of 2,4-dichlorophenol by Co-doped TiO <sub>2</sub> (Co/TiO <sub>2</sub> ) nanoparticles and Co/TiO <sub>2</sub> containing mixed matrix membranes. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 17, 124-134	6.7	42
288	Surface modification of TiO <sub>2</sub> nanoparticle by three dimensional silane coupling agent and preparation of polyamide/modified- TiO <sub>2</sub> nanocomposites for removal of Cr (VI) from aqueous solutions. <b>2017</b> , 110, 24-34		27
287	Mechanical Characterization of Membranes. <b>2017</b> , 259-306		11
286	Synthesis of Fe-Ag/f-MWCNT/PES nanostructured-hybrid membranes for removal of Cr(VI) from water. <b>2017</b> , 184, 79-87		34
285	Novel adsorptive mixed matrix membranes by embedding modified montmorillonite with arginine amino acid into polysulfones for As(V) removal. <b>2017</b> , 144, 141-149		24

284	Poly(L-lactide)-grafted bioglass/poly(lactide-co-glycolide) scaffolds with supercritical CO <sub>2</sub> foaming reprocessing for bone tissue engineering. <b>2017</b> , 33, 499-506		3
283	Polysulfone membranes via thermally induced phase separation. <b>2017</b> , 35, 846-856		9
282	Fabrication, tuning and optimization of poly (acrilonitrile) nanofiltration membranes for effective nickel and chromium removal from electroplating wastewater. <b>2017</b> , 187, 46-59		60
281	Doping polysulfone ultrafiltration membrane with TiO <sub>2</sub> -PDA nanohybrid for simultaneous self-cleaning and self-protection. <i>Journal of Membrane Science</i> , <b>2017</b> , 532, 20-29	9.6	87
280	Evaluation of graphene oxide-coated ultrafiltration membranes for humic acid removal at different pH and conductivity conditions. <b>2017</b> , 181, 139-147		38
279	Internal pore decoration with polydopamine nanoparticle on polymeric ultrafiltration membrane for enhanced heavy metal removal. <b>2017</b> , 314, 38-49		144
278	Preparation and characterization of poly (vinyl chloride) (PVC) based membrane for wastewater treatment. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 16, 98-107	6.7	31
277	Removal of Pb (II) and Cu (II) ions from wastewater using composite electrospun cellulose acetate/titanium oxide (TiO <sub>2</sub> ) adsorbent. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 16, 1-13	6.7	68
276	Visualizing and quantifying the nanoscale hydrophobicity and chemical distribution of surface modified polyethersulfone (PES) membranes. <b>2017</b> , 9, 15550-15557		23
275	Effect of Molecular Weight of Sulfonated Poly(ether sulfone) (SPES) on the Mechanical Strength and Antifouling Properties of Poly(ether sulfone)/SPES Blend Membranes. <b>2017</b> , 56, 11302-11311		14
274	Investigation of the Effect of Nanosilica on Rheological, Thermal, Mechanical, Structural, and Piezoelectric Properties of Poly(vinylidene fluoride) Nanofibers Fabricated Using an Electrospinning Technique. <b>2017</b> , 56, 12596-12607		29
273	Membrane technology for treating of waste nanofluids coolant: A review. <b>2017</b> ,		2
272	Study of the Photocatalytic Property of Polysulfone Membrane Incorporating TiO <sub>2</sub> Nanoparticles. <b>2017</b> , 05, 1750005		5
271	Antifouling enhancement of polysulfone/TiO <sub>2</sub> nanocomposite separation membrane by plasma etching. <b>2017</b> , 791, 012025		2
270	Low content nano-polyrhodanine modified polysulfone membranes with superior properties and their performance for wastewater treatment. <b>2017</b> , 4, 2043-2054		16
269	Fabrication of smart magnetic nanocomposite asymmetric membrane capsules for the controlled release of nitrate. <b>2017</b> , 8, 233-243		14
268	Polyethersulfone composite hollow-fiber membrane prepared by in-situ growth of silica with highly improved oily wastewater separation performance. <b>2017</b> , 24, 1		18
267	Preparation and characterization of a thin-film composite reverse osmosis membrane using a polysulfone membrane including metal-organic frameworks. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 510-518	9.6	68

266	Cellulose Acetate Modified Titanium Dioxide (TiO <sub>2</sub> ) Nanoparticles Electrospun Composite Membranes: Fabrication and Characterization. <b>2017</b> , 98, 91-101		11
265	Antifouling polysulfone ultrafiltration membranes with sulfobetaine polyimides as novel additive for the enhancement of both water flux and protein rejection. <i>Journal of Membrane Science</i> , <b>2017</b> , 542, 81-90	9.6	38
264	Water purification by polymer nanocomposites: an overview. <b>2017</b> , 3, 47-66		131
263	Towards high-performance hybrid hydrophilic membranes: chemical anchoring of hydroxyl-rich nanoparticles on PVDF membranes via a silane coupling agent. <b>2017</b> , 52, 11737-11748		9
262	A support surface pore structure re-construction method to enhance the flux of TFC RO membrane. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 39-52	9.6	43
261	Fundamentals of Membrane Processes. <b>2017</b> , 13-37		14
260	Fundamentals of Membrane Bioreactors. <b>2017</b> ,		18
259	Investigation of UV/H <sub>2</sub> O <sub>2</sub> pretreatment effects on humic acid fouling on polysulfone/titanium dioxide and polysulfone/multiwall carbon nanotube nanocomposite ultrafiltration membranes. <b>2017</b> , 36, 27-37		11
258	A novel mixed matrix membrane allowing for flow-through removal of boron. <b>2017</b> , 308, 557-567		17
257	Spray-assisted biomineralization of a superhydrophilic water uptake layer for enhanced pervaporation dehydration. <i>Journal of Membrane Science</i> , <b>2017</b> , 522, 183-191	9.6	26
256	Mechanical properties of water desalination and wastewater treatment membranes. <i>Desalination</i> , <b>2017</b> , 401, 190-205	10.3	96
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254	Modeling of Ethylene Absorption from an Ethylene/Ethane Mixture by Silver Nitrate Aqueous Solution in a Hollow-Fiber Membrane Contactor. <b>2017</b> , 57, 1242-1249		3
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234	Synthesis and characterization of novel Cellulose Nanocrystals-based Thin Film Nanocomposite membranes for reverse osmosis applications. <i>Desalination</i> , <b>2018</b> , 439, 179-187	10.3	73
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