

Klaus-Viktor Peinemann

List of Publications by Citations

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144

papers

8,346

citations

50

h-index

88

g-index

149

ext. papers

9,135

ext. citations

8.1

avg, IF

6.33

L-index

#	Paper	IF	Citations
144	Asymmetric superstructure formed in a block copolymer via phase separation. <i>Nature Materials</i> , 2007 , 6, 992-6	27	580
143	Carbon dioxide selective mixed matrix composite membrane containing ZIF-7 nano-fillers. <i>Journal of Membrane Science</i> , 2013 , 425-426, 235-242	9.6	340
142	Membrane processes in energy supply for an osmotic power plant. <i>Desalination</i> , 2008 , 224, 64-70	10.3	283
141	Pebax® /polyethylene glycol blend thin film composite membranes for CO ₂ separation: Performance with mixed gases. <i>Separation and Purification Technology</i> , 2008 , 62, 110-117	8.3	270
140	CO ₂ -Philic Polymer Membrane with Extremely High Separation Performance. <i>Macromolecules</i> , 2010 , 43, 326-333	5.5	252
139	Switchable pH-responsive polymeric membranes prepared via block copolymer micelle assembly. <i>ACS Nano</i> , 2011 , 5, 3516-22	16.7	241
138	Molecular sieving effect of the zeolite-filled silicone rubber membranes in gas permeation. <i>Journal of Membrane Science</i> , 1991 , 57, 289-292	9.6	230
137	Selective separation of similarly sized proteins with tunable nanoporous block copolymer membranes. <i>ACS Nano</i> , 2013 , 7, 768-76	16.7	202
136	Developments in Membrane Research: from Material via Process Design to Industrial Application. <i>Advanced Engineering Materials</i> , 2006 , 8, 328-358	3.5	194
135	Tailor-made Polymeric Membranes based on Segmented Block Copolymers for CO ₂ Separation. <i>Advanced Functional Materials</i> , 2008 , 18, 2815-2823	15.6	190
134	Hybrid membrane materials with different metal-organic frameworks (MOFs) for gas separation. <i>Desalination</i> , 2006 , 200, 424-426	10.3	188
133	Membranes for gas separation based on poly(1-trimethylsilyl-1-propyne)-silica nanocomposites. <i>Journal of Membrane Science</i> , 2005 , 246, 13-25	9.6	184
132	Ultraporous Films with Uniform Nanochannels by Block Copolymer Micelles Assembly. <i>Macromolecules</i> , 2010 , 43, 8079-8085	5.5	182
131	Nanostructured membrane material designed for carbon dioxide separation. <i>Journal of Membrane Science</i> , 2010 , 350, 124-129	9.6	177
130	Nanometric thin film membranes manufactured on square meter scale: ultra-thin films for CO ₂ capture. <i>Nanotechnology</i> , 2010 , 21, 395301	3.4	172
129	Dense hydrophilic composite membranes for ultrafiltration. <i>Journal of Membrane Science</i> , 1995 , 106, 49-56	9.6	141
128	Influence of the diamine structure on the nanofiltration performance, surface morphology and surface charge of the composite polyamide membranes. <i>Journal of Membrane Science</i> , 2006 , 279, 266-275	9.6	130

127	Gas permeability and free volume in poly(amide-b-ethylene oxide)/polyethylene glycol blend membranes. <i>Journal of Membrane Science</i> , 2009 , 339, 177-183	9.6	115
126	Membranes for separation of higher hydrocarbons from methane. <i>Journal of Membrane Science</i> , 1996 , 110, 37-45	9.6	115
125	Biomimetic block copolymer particles with gated nanopores and ultrahigh protein sorption capacity. <i>Nature Communications</i> , 2014 , 5, 4110	17.4	106
124	Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13937-41	16.4	101
123	Ceramic zeolite composite membranes.. <i>Journal of Membrane Science</i> , 1993 , 82, 15-26	9.6	100
122	Cyclodextrin Films with Fast Solvent Transport and Shape-Selective Permeability. <i>Advanced Materials</i> , 2017 , 29, 1606641	24	99
121	Effects of film thickness on density and gas permeation parameters of glassy polymers. <i>Journal of Membrane Science</i> , 1996 , 112, 275-285	9.6	99
120	Hollow fiber membrane contactor for air humidity control: Modules and membranes. <i>Journal of Membrane Science</i> , 2006 , 276, 241-251	9.6	94
119	From micelle supramolecular assemblies in selective solvents to isoporous membranes. <i>Langmuir</i> , 2011 , 27, 10184-90	4	92
118	Gas separation properties of aromatic polyimides. <i>Journal of Membrane Science</i> , 2003 , 215, 61-73	9.6	91
117	Thin-film composite hollow fiber membranes: An optimized manufacturing method. <i>Journal of Membrane Science</i> , 2005 , 264, 48-55	9.6	91
116	Self-assembly in casting solutions of block copolymer membranes. <i>Soft Matter</i> , 2013 , 9, 5557	3.6	88
115	Solution Small-Angle X-ray Scattering as a Screening and Predictive Tool in the Fabrication of Asymmetric Block Copolymer Membranes. <i>ACS Macro Letters</i> , 2012 , 1, 614-617	6.6	87
114	A Metal Chelating Porous Polymeric Support: The Missing Link for a Defect-Free Metal-Organic Framework Composite Membrane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2965-2968	16.4	80
113	CO ₂ -selective PEO-PBT (PolyActive) [®] /graphene oxide composite membranes. <i>Chemical Communications</i> , 2015 , 51, 14187-90	5.8	79
112	Self-assembled isoporous block copolymer membranes with tuned pore sizes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10072-6	16.4	75
111	Preparation of hollow fiber membranes from polyetherimide for gas separation. <i>Journal of Membrane Science</i> , 1992 , 65, 295-307	9.6	74
110	Cross-linked PAN-based thin-film composite membranes for non-aqueous nanofiltration. <i>Reactive and Functional Polymers</i> , 2015 , 86, 243-247	4.6	72

109	Multilayer composite membranes for gas separation based on crosslinked PTMSP gutter layer and partially crosslinked Matrimid® 5218 selective layer. <i>Journal of Membrane Science</i> , 2009 , 340, 62-72	9.6	72
108	Quaternary ammonium membrane materials for CO ₂ separation. <i>Journal of Membrane Science</i> , 2010 , 359, 44-53	9.6	72
107	Nitrate removal of drinking water by means of catalytically active membranes. <i>Journal of Membrane Science</i> , 1998 , 151, 3-11	9.6	71
106	Pebax® 1657/Graphene oxide composite membranes for improved water vapor separation. <i>Journal of Membrane Science</i> , 2017 , 525, 187-194	9.6	70
105	New composite hollow fiber membrane for nanofiltration. <i>Desalination</i> , 2005 , 184, 1-11	10.3	68
104	Novel highly permselective 6F-poly(amide-imide)s as membrane host for nano-sized catalysts. <i>Journal of Membrane Science</i> , 1995 , 99, 29-38	9.6	68
103	Isoporous PS-b-PEO ultrafiltration membranes via self-assembly and water-induced phase separation. <i>Journal of Membrane Science</i> , 2014 , 453, 471-477	9.6	67
102	Cellulose multilayer membranes manufacture with ionic liquid. <i>Journal of Membrane Science</i> , 2015 , 490, 282-293	9.6	63
101	Block copolymer hollow fiber membranes with catalytic activity and pH-response. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7001-6	9.5	62
100	Crosslinked poly(ether block amide) composite membranes for organic solvent nanofiltration applications. <i>Journal of Membrane Science</i> , 2017 , 523, 264-272	9.6	62
99	Complexation-tailored morphology of asymmetric block copolymer membranes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7152-9	9.5	61
98	Graphene oxide doped ionic liquid ultrathin composite membranes for efficient CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 649-656	13	56
97	Crosslinked cellulose thin film composite nanofiltration membranes with zero salt rejection. <i>Journal of Membrane Science</i> , 2015 , 491, 132-137	9.6	53
96	Bioinspired tannic acid-copper complexes as selective coating for nanofiltration membranes. <i>Separation and Purification Technology</i> , 2017 , 184, 188-194	8.3	52
95	Ultrathin 2D-Layered Cyclodextrin Membranes for High- Performance Organic Solvent Nanofiltration. <i>Advanced Functional Materials</i> , 2020 , 30, 1906797	15.6	50
94	Polydopamine/Cysteine surface modified isoporous membranes with self-cleaning properties. <i>Journal of Membrane Science</i> , 2017 , 529, 185-194	9.6	46
93	Time-resolved GISAXS and cryo-microscopy characterization of block copolymer membrane formation. <i>Polymer</i> , 2014 , 55, 1327-1332	3.9	46
92	Synthesis, Characterization, and Membrane Properties of Poly(1-trimethylgermyl-1-propyne) and Its Nanocomposite with TiO ₂ . <i>Macromolecules</i> , 2007 , 40, 8991-8998	5.5	46

91	Giant Humidity Effect on Hybrid Halide Perovskite Microstripes: Reversibility and Sensing Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29821-29829	9.5	44
90	Zeolite-imidazolate framework (ZIF-8) membrane synthesis on a mixed-matrix substrate. <i>Chemical Communications</i> , 2013 , 49, 9419-21	5.8	43
89	Tannin-based thin-film composite membranes for solvent nanofiltration. <i>Journal of Membrane Science</i> , 2017 , 541, 137-142	9.6	43
88	Novel adsorptive ultrafiltration membranes derived from polyvinyltetrazole-co-polyacrylonitrile for Cu(II) ions removal. <i>Chemical Engineering Journal</i> , 2016 , 301, 306-314	14.7	42
87	Polymer supported ZIF-8 membranes by conversion of sputtered zinc oxide layers. <i>Microporous and Mesoporous Materials</i> , 2016 , 220, 215-219	5.3	40
86	Novel polyamide composite membranes for gas separation prepared by interfacial polycondensation. <i>Journal of Applied Polymer Science</i> , 1997 , 63, 1557-1563	2.9	40
85	A catechin/cellulose composite membrane for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2018 , 567, 139-145	9.6	39
84	Gas Transport Properties in a Novel Poly(trimethylsilylpropyne) Composite Membrane with Nanosized Organic Filler Trimethylsilylglucose. <i>Macromolecules</i> , 2006 , 39, 4093-4100	5.5	37
83	Gas transport properties of segmented poly(ether siloxane urethane urea) membranes. <i>Journal of Membrane Science</i> , 2006 , 281, 747-753	9.6	37
82	Poly(ether imide) membranes obtained from solution in cosolvent mixtures. <i>Polymer</i> , 1998 , 39, 3411-3416	16	36
81	Polyanionic pH-responsive polystyrene-b-poly(4-vinyl pyridine-N-oxide) isoporous membranes. <i>Journal of Membrane Science</i> , 2016 , 501, 161-168	9.6	35
80	A Novel Poly(4-methyl-2-pentyne)/TiO ₂ Hybrid Nanocomposite Membrane for Natural Gas Conditioning: Butane/Methane Separation. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2412-2418 ^{2.6}	2.6	34
79	Catalysis with homogeneous membranes loaded with nanoscale metallic clusters and their preparation. <i>Catalysis Today</i> , 1995 , 25, 277-283	5.3	34
78	Multifunctional system for treatment of wastewaters from adhesive-producing industries: separation of solids and oxidation of dissolved pollutants using doted microfiltration membranes. <i>Chemical Engineering Science</i> , 2002 , 57, 1661-1664	4.4	32
77	Block copolymer/homopolymer dual-layer hollow fiber membranes. <i>Journal of Membrane Science</i> , 2014 , 472, 39-44	9.6	31
76	MEM-BRAIN gas separation membranes for zero-emission fossil power plants. <i>Energy Procedia</i> , 2009 , 1, 303-310	2.3	31
75	Highways for water molecules: Interplay between nanostructure and water vapor transport in block copolymer membranes. <i>Journal of Membrane Science</i> , 2019 , 572, 641-649	9.6	31
74	Ionic liquids as self-assembly guide for the formation of nanostructured block copolymer membranes. <i>Journal of Membrane Science</i> , 2015 , 492, 568-577	9.6	30

73	Testing of nanostructured gas separation membranes in the flue gas of a post-combustion power plant. <i>International Journal of Greenhouse Gas Control</i> , 2011 , 5, 37-48	4.2	30
72	Thin-film composite crosslinked polythiosemicarbazide membranes for organic solvent nanofiltration (OSN). <i>Reactive and Functional Polymers</i> , 2015 , 86, 225-232	4.6	29
71	Fabrication of Polybenzimidazole/Palladium Nanoparticles Hollow Fiber Membranes for Hydrogen Purification. <i>Advanced Energy Materials</i> , 2018 , 8, 1701567	21.8	28
70	Alginate-based membranes: Paving the way for green organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2020 , 596, 117615	9.6	28
69	Dehydration of organic compounds with SYMPLEX composite membranes. <i>Journal of Membrane Science</i> , 1996 , 113, 1-5	9.6	26
68	Development of facilitated transport membranes for the separation of olefins from gas streams. <i>Desalination</i> , 2002 , 145, 339-345	10.3	25
67	Charge- and Size-Selective Molecular Separation using Ultrathin Cellulose Membranes. <i>ChemSusChem</i> , 2016 , 9, 2908-2911	8.3	24
66	Cyclodextrin polymer networks decorated with subnanometer metal nanoparticles for high-performance low-temperature catalysis. <i>Science Advances</i> , 2019 , 5, eaax6976	14.3	24
65	Hollow ZIF-8 Nanoworms from Block Copolymer Templates. <i>Scientific Reports</i> , 2015 , 5, 15275	4.9	24
64	Ultrafiltration membranes from poly(ether sulfonamide)/poly(ether imide) blends. <i>Journal of Membrane Science</i> , 1993 , 79, 83-91	9.6	24
63	Gas Transport Properties of Poly(trimethylsilylpropyne) and Ethylcellulose Filled with Different Molecular Weight Trimethylsilylsaccharides: Impact on Fractional Free Volume and Chain Mobility. <i>Macromolecules</i> , 2007 , 40, 3213-3222	5.5	23
62	Morin-based nanofiltration membranes for organic solvent separation processes. <i>Journal of Membrane Science</i> , 2018 , 554, 1-5	9.6	22
61	Poly-thiosemicarbazide/gold nanoparticles catalytic membrane: In-situ growth of well-dispersed, uniform and stable gold nanoparticles in a polymeric membrane. <i>Catalysis Today</i> , 2014 , 236, 92-97	5.3	22
60	Self-assembled block copolymer membranes: From basic research to large-scale manufacturing. <i>Journal of Materials Research</i> , 2013 , 28, 2661-2665	2.5	22
59	Application of thin film cellulose composite membrane for dye wastewater reuse. <i>Journal of Water Process Engineering</i> , 2016 , 13, 176-182	6.7	22
58	Complexation-induced phase separation: preparation of composite membranes with a nanometer-thin dense skin loaded with metal ions. <i>Nano Letters</i> , 2015 , 15, 3166-71	11.5	21
57	High dehumidification performance of amorphous cellulose composite membranes prepared from trimethylsilyl cellulose. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9271-9279	13	21
56	Poly-thiosemicarbazide membrane for gold recovery. <i>Separation and Purification Technology</i> , 2014 , 136, 94-104	8.3	21

55	Polybenzimidazole-based mixed membranes with exceptionally high water vapor permeability and selectivity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21807-21819	13	21
54	Embedding 1D Conducting Channels into 3D Isoporous Polymer Films for High-Performance Humidity Sensing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11218-11222	16.4	21
53	Membranes in Fuel Cells. <i>Journal of Membrane Science</i> , 2001 , 185, 1	9.6	20
52	Thin porphyrin composite membranes with enhanced organic solvent transport. <i>Journal of Membrane Science</i> , 2018 , 563, 684-693	9.6	19
51	Sub-6 nm Thin Cross-Linked Dopamine Films with High Pressure Stability for Organic Solvent Nanofiltration. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 1437-1442	3.9	19
50	Design of block copolymer membranes using segregation strength trend lines. <i>Molecular Systems Design and Engineering</i> , 2016 , 1, 278-289	4.6	19
49	Self-Assembled Isoporous Block Copolymer Membranes with Tuned Pore Sizes. <i>Angewandte Chemie</i> , 2014 , 126, 10236-10240	3.6	19
48	Cellulose-polyethyleneimine blend membranes with anomalous nanofiltration performance. <i>Journal of Membrane Science</i> , 2018 , 564, 97-105	9.6	19
47	Surprising transformation of a block copolymer into a high performance polystyrene ultrafiltration membrane with a hierarchically organized pore structure. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4337-4345	12	18
46	Colloidal Gold Nanoclusters Spiked Silica Fillers in Mixed Matrix Coatings: Simultaneous Detection and Inhibition of Healthcare-Associated Infections. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601135	10.1	17
45	Topology and Shape Control for Assemblies of Block Copolymer Blends in Solution. <i>Macromolecules</i> , 2015 , 48, 8036-8044	5.5	17
44	Artificial membranes with selective nanochannels for protein transport. <i>Polymer Chemistry</i> , 2016 , 7, 6189-6201	17	
43	A Metal Chelating Porous Polymeric Support: The Missing Link for a Defect-Free MetalOrganic Framework Composite Membrane. <i>Angewandte Chemie</i> , 2017 , 129, 3011-3014	3.6	16
42	Rapid Size-Based Protein Discrimination inside Hybrid Isoporous Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8507-8516	9.5	16
41	Functionalized Nanochannels from Self-Assembled and Photomodified Poly(Styrene-b-Butadiene-b-Styrene). <i>Small</i> , 2018 , 14, e1701885	11	16
40	Antibiofilm effect enhanced by modification of 1,2,3-triazole and palladium nanoparticles on polysulfone membranes. <i>Scientific Reports</i> , 2016 , 6, 24289	4.9	16
39	Unique cellulose/polydimethylsiloxane blends as an advanced hybrid material for organic solvent nanofiltration and pervaporation membranes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13685-13695	13	16
38	Scalable Synthesis of Amphiphilic Copolymers for CO ₂ - and Water-Selective Membranes: Effect of Copolymer Composition and Chain Length. <i>Macromolecules</i> , 2019 , 52, 6213-6226	5.5	16

37	Polymeric composite ultrafiltration membranes for non-aqueous applications. <i>Environmental Progress</i> , 2001 , 20, 17-22	15
36	Silicone/non-silicone grafted blend composite membranes for air/vapor separation. <i>Desalination</i> , 1993 , 90, 235-247	10.3 14
35	Asymmetric block copolymer membranes with ultrahigh porosity and hierarchical pore structure by plain solvent evaporation. <i>Chemical Communications</i> , 2016 , 52, 12064-12067	5.8 13
34	Polymer and Membrane Design for Low Temperature Catalytic Reactions. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 700-4	4.8 13
33	Recycling of washing waters from bottle cleaning machines using membranes. <i>Desalination</i> , 2000 , 131, 55-63	10.3 12
32	Effective Interfacially Polymerized Polyester Solvent Resistant Nanofiltration Membrane from Bioderived Materials. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800043	5.9 12
31	Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration. <i>Angewandte Chemie</i> , 2015 , 127, 14143-14147	3.6 11
30	CO ₂ philic Thin Film Composite Membranes: Synthesis and Characterization of PAN-r-PEGMA Copolymer. <i>Polymers</i> , 2017 , 9,	4.5 11
29	In situ growth of biocidal AgCl crystals in the top layer of asymmetric polytriazole membranes. <i>RSC Advances</i> , 2016 , 6, 46696-46701	3.7 11
28	Composite Membrane Formation by Combination of Reaction-Induced and Nonsolvent-Induced Phase Separation. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700131	3.9 10
27	3D Analysis of Ordered Porous Polymeric Particles using Complementary Electron Microscopy Methods. <i>Scientific Reports</i> , 2019 , 9, 13987	4.9 10
26	Nanostructured double hydrophobic poly(styrene- <i>b</i> -methyl methacrylate) block copolymer membrane manufactured via a phase inversion technique. <i>RSC Advances</i> , 2016 , 6, 29064-29071	3.7 10
25	Cyclodextrin-functionalized asymmetric block copolymer films as high-capacity reservoir for drug delivery. <i>Journal of Membrane Science</i> , 2019 , 584, 1-8	9.6 9
24	Solvent-resistant triazine-piperazine linked porous covalent organic polymer thin-film nanofiltration membrane. <i>Separation and Purification Technology</i> , 2019 , 213, 348-358	8.3 9
23	Self-assembly of polystyrene- <i>b</i> -poly(2-vinylpyridine)- <i>b</i> -poly(ethylene oxide) triblock terpolymers. <i>European Polymer Journal</i> , 2018 , 100, 121-131	5.2 9
22	Self-Assembled Membranes with Featherlike and Lamellar Morphologies Containing α -Helical Polypeptides. <i>Macromolecules</i> , 2018 , 51, 8174-8187	5.5 9
21	Silane-Crosslinked Asymmetric Polythiosemicarbazide Membranes for Organic Solvent Nanofiltration. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800551	3.9 8
20	Thin Film Polyamide Membranes with Photoresponsive Antibacterial Activity. <i>ChemistrySelect</i> , 2017 , 2, 6612-6616	1.8 5

19	Tailoring Polymeric Membrane Based on Segmented Block Copolymers for CO ₂ Separation	2010 , 227-253	5
18	Poly(1-trimethylgermyl-1-propyne): synthesis, characterisation and transport properties of pure polymers and nanocomposites.	<i>Desalination</i> , 2006 , 199, 198-199	10.3 4
17	Understanding the antifouling mechanisms related to copper oxide and zinc oxide nanoparticles in anaerobic membrane bioreactors.	<i>Environmental Science: Nano</i> , 2019 , 6, 3467-3479	7.1 4
16	Charge- and Size-Selective Molecular Separation using Ultrathin Cellulose Membranes.	<i>ChemSusChem</i> , 2016 , 9, 2873-2873	8.3 3
15	Celluloseether als Trennschichten hydrophiler Polymermembranen.	<i>Angewandte Makromolekulare Chemie</i> , 1997 , 249, 11-32	3
14	Highly ordered membrane structures from block copolymers.	<i>Desalination</i> , 2006 , 199, 124-126	10.3 3
13	Hybridverfahren zur Abluftreinigung.	<i>Chemie-Ingenieur-Technik</i> , 2002 , 74, 1679-1685	0.8 3
12	Hochselektive Stofftrennungen mit Carriermembranen I Stand der Entwicklung und Erwartungen.	<i>Chemie-Ingenieur-Technik</i> , 2001 , 73, 297-303	0.8 3
11	Removal of Organic Pollutants from Gaseous and Liquid Effluent Streams by Membranes.	<i>Water Science and Technology</i> , 1991 , 24, 1-9	2.2 3
10	Neue Membranen und Prozesse f<ü>rdie Trennung von Gasen und D<ü>ppfen.	<i>Chemie-Ingenieur-Technik</i> , 2003 , 75, 1159-1160	0.8 2
9	A fixed-site carrier composite membrane for NH ₃ /N ₂ separation.	<i>Separation and Purification Technology</i> , 1992 , 6, 79-81	2
8	CO ₂ Selective, Zeolithic Imidazolate Framework-7 Based Polymer Composite Mixed-Matrix Membranes.	<i>Journal of Materials Science Research</i> , 2018 , 7, 1	1 2
7	Innentitelbild: Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration (Angew. Chem. 47/2015).	<i>Angewandte Chemie</i> , 2015 , 127, 14030-14030	3.6 1
6	Embedding 1D Conducting Channels into 3D Isoporous Polymer Films for High-Performance Humidity Sensing.	<i>Angewandte Chemie</i> , 2018 , 130, 11388-11392	3.6
5	Nanochannels: Functionalized Nanochannels from Self-Assembled and Photomodified Poly(Styrene-b-Butadiene-b-Styrene) (Small 18/2018).	<i>Small</i> , 2018 , 14, 1870083	11
4	Strom aus Osmose-Kraftwerken.	<i>Physik in Unserer Zeit</i> , 2008 , 39, 163-164	0.1
3	Abtrennung und R<ü>ckgewinnung von organischen D<ü>ppfen aus Abluft mit Hilfe von Membranen Grundlagen <u>Ber Membranen, Module und Verfahrensauslegung.</u>	<i>Vakuum in Forschung Und Praxis</i> , 1993 , 5, 111-115	0.3
2	Salz- contra SWasser	107-108	

1 Salty vs. Fresh Water 107-108