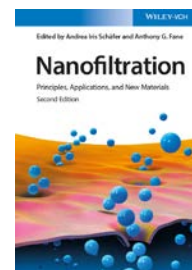
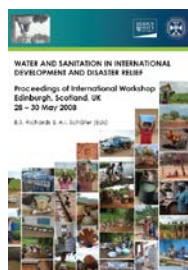
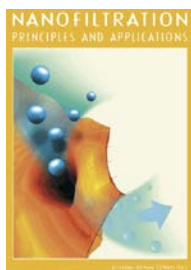
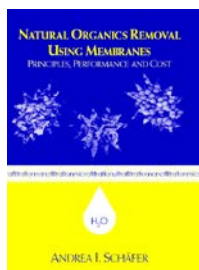


LIST OF PUBLICATIONS: PROFESSOR DR ING ANDREA IRIS SCHÄFER

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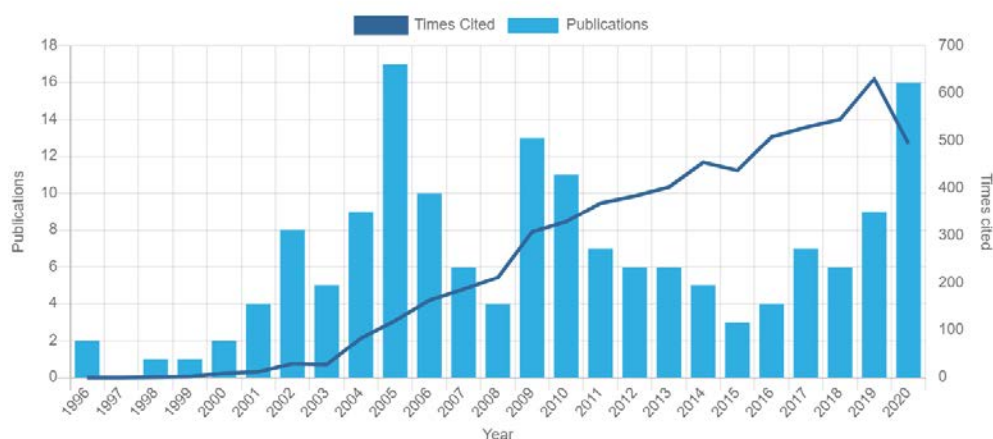


H-INDEX & CITATION ANALYSIS

ResearcherID (Web of Science, 05/10/2020): 162 items, Sum of Times Cited 6.228; average citations per item 41.8;
H-Index 45
<http://www.researcherid.com/rid/F-6202-2014>

Google Scholar: Sum of Citations Cited 11452;
H-Index 58
https://scholar.google.com/citations?hl=en&user=N13juAAAAAJ&pagesize=100&view_op=list_works

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SCOPUS ID <https://www.scopus.com/authid/detail.uri?authorId=7202243833>

PUBLONS ID <https://publons.com/researcher/2530341/andrea-i-schaefer/metrics/>

AUTHORSHIP POLICY

Our policy with authorship is that the person compiling a first full draft (incl literature research) is listed as first author (this would usually be the person carrying out the experiments and/or analysing the data). The project leader would normally be named last (this may alternate in collaborations), while other authors are usually listed by rank of contribution.

RESEARCH CONDUCT

IAMT to the European Science Foundation 'The European Code of Conduct for Research Integrity' www.esf.org as well as the Australian Code for the Responsible Conduct of Research that guides institutions and researchers in responsible research practices. Details can be found at <http://www.nhmrc.gov.au/guidelines/publications/r39>.

The 2019 DFG Kodex gives an up to date summary of processes and practises in Germany that IAMT adheres to https://www.dfg.de/download/pdf/foerderung/rechtliche_rahmenbedingungen/gute_wissenschaftliche_praxis/kodex_gwp_en.pdf.

RESEARCH GATE

Open Access: The majority of our journal publications and book chapters are available open access on Research Gate.
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CUMULATIVE IMPACT FACTOR

The cumulative impact factor can be calculated from the sum of the product of number of papers in a particular journal times the impact factor of the journal which is provided below as an overview of relevant journals in the field.

JOURNAL RANKING & IMPACT

Journal Ranking: The ranking of a list of relevant journals is given as a guide in the table below. The Web of Knowledge Journal Citation Reports (JCR) Database or <http://www.scijournal.org/index.html> were used. Subject categories environmental engineering, environmental sciences, chemical engineering and water resources are relevant for subject rankings.

Journal Impact Factor	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Nature	36.104	38.597	42.351	41.456	38.138	40.137	41.577	43.070	42.778	
Nature Nanotechnology								33.407	31.538	
Science	31.377	31.027	31.480	33.610	34.661	37.205	41.058	41.037	41.845	
Energy & Environmental Science	9.610	11.653	15.490	20.523	25.427	29.518	30.067	33.250	30.289	
Nature Protocols	8.362	7.960	7.780	9.673	9.646	10.032	12.423	11.334	10.419	
SMALL	8.349	7.823	7.514	8.368	8.320	8.643	9.598	10.856	11.459	
Advances in Colloid and Interface Science	8.660	6.169	8.636	7.776	7.813	7.223	7.346	8.243	9.922	
ACS Applied Materials & Interfaces	4.525	5.008	5.900	6.723	7.145	7.504	8.097	8.456	8.758	
J Catalysis B								14.229	16.683	
J Materials Chemistry A								10.733	11.301	
Renewable & Sustainable Energy Reviews	6.018	5.627	5.510	5.901	6.798	8.050	9.184	10.566	12.11	
Progress in Material Science								23.725	31.56	
Applied Energy	5.016	4.781	5.261	5.613	5.746	7.182	7.900	8.426	8.848	
ACS Sustainable Chemistry and Engineering					5.267	5.951	6.140	6.970	7.632	
Environmental Science & Technology	4.827	5.257	5.481	5.330	5.393	6.198	6.653	7.149	7.864	
Environmental Science & Technology Letters	-	-	-	-	4.839	5.308	5.869	6.934	5.308	
Water Research	4.546	4.655	5.323	5.528	5.991	6.942	7.051	7.913	9.130	
J Membrane Science	3.673	4.093	4.908	5.056	5.557	6.035	6.578	7.015	7.183	
J Hazardous Materials	4.173	3.925	4.331	4.529	4.836	6.065	6.434	7.650	9.038	
Chemical Engineering Journal	3.074	3.473	4.058	4.321	5.310	6.216	6.735	8.355	10.652	
J Colloid Interface Science	3.068	3.172	3.552	3.368	3.782	4.233	5.091	6.361	7.489	
J Cleaner Production								6.395	7.246	
Desalination	1.851	3.041	3.960	3.756	4.412	5.527	6.603	6.035	7.098	
Environmental Research	3.5	3.238	3.951	4.373	3.088	3.835	4.732	5.026	5.715	
Environmental Pollution	3.395	3.730	3.902	4.143	4.839	5.099	4.358	5.714	6.792	
Critical Reviews in Environ. Sci. and Techn.	-	3.383	3.238	3.468	4.000	5.790	7.683	5.980	8.302	
Science of the Total Environment	3.190	3.258	3.163	4.099	3.967	4.900	4.610	5.589	6.551	
Renewable Energy	2.580	2.989	3.361	3.476	3.404	4.357	4.900	5.439	6.274	
Chemosphere	3.155	3.137	3.499	3.340	3.698	4.208	4.427	5.108	5.778	
Separation & Purification Technology	2.775	2.894	3.065	3.091	3.299	3.359	3.927	5.107	5.774	
J Environmental Management	2.597	3.057	3.188	2.723	3.131	4.010	4.005	4.865	5.647	
Advanced Materials Interfaces (Wiley)								4.713	4.948	
Scientific Reports (Nature)								4.525	3.998	
Separation and Purification Reviews	2.429	3.154	3.316	2.824	5.824	6.077	4.212	4.714	5.324	
Solar Energy	2.172	2.952	3.541	3.469	3.685	4.018	4.374	4.674	4.608	
Water Resources Research	2.737	3.149	3.709	3.549	3.792	4.397	4.361	4.142	4.309	
Langmuir	4.186	4.187	4.384	4.457	3.993	3.833	3.789	3.683	3.557	
Physical Chemistry Chemical Physics	3.573	3.829	4.198	4.493	4.449	4.123	3.906	3.567	3.430	
AIChE Journal	2.03	2.493	2.581	2.748	2.980	2.836	3.326	3.463	3.519	
Industrial & Engineering Chemistry Research	2.072	2.206	2.235	2.587	2.567	2.843	3.141	3.375	3.573	
Chemical Engineering Science	2.379	2.386	2.613	2.337	2.750	2.895	3.306	3.372	3.871	
J Materials Chemistry and Physics			2.129	2.259	2.101	2.084	2.210	2.781	3.408	
Environmental Chemistry							2.923	2.193	1.910	
Environmental Science and Pollution Research					2.760	2.741	2.800	2.914	3.056	
J Chemical Technology & Biotechnology			2.494	2.349	2.738	3.135	2.587	2.659	2.750	
Current Pharmaceutical Design	3.870	3.311	3.288	3.452	3.052	2.611	2.757	2.412	2.208	
Environmental Management		1.647	1.648	1.724	1.857	1.878	2.177	2.376	2.561	
J Environmental Monitoring	1.81	2.085	2.109	2.179						
Environmental Progress & Sustainable Energy		0.865	1.271	1.403	1.631	1.672	1.326	1.596	1.989	
Environmental Progress (discontinued)	1.308	-	-	-	-	-	-	-	-	
Water Science & Technology	1.056	1.102	1.212	1.106	1.064	1.197	1.247	1.642	1.638	
Int J Environmental Engineering - ASCE	1.048	1.399	1.794	1.267	1.125	1.541	1.396		1.264	
Separation Science and Technology	1.015	1.164	1.200	1.171	1.083	1.106	1.200	1.354	1.718	
Environmental Engineering Science	0.893	1.154	0.933	0.991	1.481	1.426	1.547	1.575	1.610	
Water Environment Research	0.89	1.134	1.000	0.865	0.659	0.910	0.825	1.240	1.151	
J Environmental Engineering Sci (disc 2008)	0.667	-	-	-	-	-	-	-	-	
J American Water Works Association		0.627	0.630	0.516	0.505	0.722	0.599	0.838	0.804	
J Water Supply Research and Technology Aqua	0.59	0.573	0.521	0.843	0.807	0.824	1.179	1.051	1.319	
Desalination Water Treatment		0.852	0.987	1.173	1.272	1.631	1.383	1.234	0.854	
Membrane Water Treatment		0.317	0.436	0.625		0.679	1.167	0.975	0.975	
npj Nature Clean Water									4.870	
MDPI Catalysts									3.444	

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- [K23] Schäfer, A.I. (2019) **Energieeffiziente Membranverfahren zur Entfernung von Spurenschadstoffen: Vom Material zum Prozess**, Umwelttechnik BW, After Work Event, Innovative Technologien für Wasser- und Wertstoffrecycling, 14 March, Stuttgart, Germany, Stuttgart, Germany, Invited Lecture.
- [K22] Schäfer, A.I. ; Richards, B.S. (2019) **Solar energy-driven membrane plants**, Indo-German Workshop on 'Membranes for Water and Energy', 18-20 February 2019, CSIR- Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat, India, Invited Lecture.
- [K21] Schäfer, A.I. (2018) **Nanomembrane technology for removal of micropollutants from water**, Water Conference, 7-10 Dec 2018 Kottayam, India. Plenary Lecture.
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- [K14] Schäfer, A.I. (2015) **Retention of organic matter by membrane filtration: from macro to nano**, 4th Workshop "Nano- and membrane-based systems for water treatment", Nano4Water Cluster, 20-21 January, Barcelona, Spain, Keynote Lecture.
- [K13] Schäfer, A.I. (2013) **Micropollutant Removal & Nano-Membrane Technology: Future Research Needs**, 3rd Workshop "Nano- and membrane-based systems for water treatment", Nano4Water Cluster, Fraunhofer Institute for Ceramic Technologies and Systems IKTS Dresden, Keynote Lecture.
- [K12] Schäfer A.I. (2011) **Transport of estrogens in synthetic membrane materials**, 24 Oct 2011, Erudite Visiting Professor Lecture, Mahatma Gandhi University Kottayam, India.
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- [K5] Dolničar, S. ; Schäfer, A.I. (2006), **Public perception of desalinated versus recycled water in Australia**, 2006 AWWA Desalination Symposium, 7-9 May, Honolulu, Hawaii, Invited Lecture.
- [K4] Schäfer A.I. (2004) **From Idea to Commercialisation: Remote Community Water Supplies using Advanced & Sustainable Technology**, Environmental Engineering Research Event 2004, Keynote Lecture, Wollongong, NSW, Australia, 9 Dec 2004 (repeated from 2003 due to "popular demand").
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- [S124] Schäfer, A.I. (2019) **Membrane Technology Research at IFG-MT**, Technische Universität Dresden, 17 September 2019, Dresden, Germany.
- [S123] Schäfer, A.I. ; Imbrogno, P. ; Samanta, P. (2019) **Magnetic ion exchange – nanofiltration hybrid process: organic fouling control and micropollutant partitioning**, Seminar IFG-MT, Karlsruhe Institute of Technology, 11 February 2019, Eggenstein-Leopoldshafen, Germany.
- [S122] Schäfer, A.I. (2017) **Retention of micropollutants by membrane filtration: from water reuse to novel composite materials**, Seminar Lawrence Livermore National Laboratory (LLNL), 28 July 2017, Livermore, CA, USA.
- [S121] Schäfer, A.I. (2017) **Renewable energy powered membrane filtration: Impact of module size on fluoride removal (UF-NF/RO)**, Seminar Ben Gurion University, 15 May 2017, Sde Boker, Israel.
- [S120] Schäfer, A.I. (2017) **Retention of organic matter and micropollutants in membrane filtration: limitations and opportunities**, Seminar Technion, 8 May 2017, Haifa, Israel.
- [S119] Schäfer, A.I. (2017) **Environmental application of membrane technology: removal of organic matter and ions from natural waters**, Seminar Institut für Nukleare Entsorgung (INE), Karlsruhe Institute of Technology, 26 April 2017, Eggenstein-Leopoldshafen, Germany.
- [S118] Schäfer, A.I. (2017) **NanoMembrane**, STN-BIFTM Workshop, 2 March 2017, Eggenstein-Leopoldshafen, Germany.
- [S117] Schäfer, A.I. (2017) **Novel Membrane Materials for Water Applications: NanoMembrane**, Institute of Functional Interfaces, Abteilungsleiterklausur, 21 February 2017, Ostedorfhaus, Karlsruhe, Germany.
- [S116] Schäfer, A.I. ; Richards, B.S. (2017) **Renewable Energy Powered Water Treatment: Vision for Sub-Saharan Africa**, Water Workshop, Gerdes, A. & Schäfer, A.I., 10 January 2017, Eggenstein-Leopoldshafen, Germany.
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- [S114] Schäfer, A.I. (2017) **From nano to macro: innovations in the removal of organics by membrane filtration**, Seminar Pradeep Research Group, IIT Chennai, 4 February 2017, Chennai, India.
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- [S112] Schäfer, A.I. ; Richards, B.S. (2017) **Fluoride and natural organic matter in Tanzania: from natural variation of water quality to treatment with solar powered membrane filtration**, Seminar Institut für Angewandte Geowissenschaften (AGW), Karlsruhe Institute of Technology, 26 January 2017, Karlsruhe, Germany.
- [S111] Schäfer, A.I. (2016) **From nano to macro: innovations in the removal of organics by membrane filtration**, Wissenschaftliches Kolloquium "Siedlungswasserwirtschaft", Stuttgart University, 7 Dec 2016, Büsnau, Germany.
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- [S103] Schäfer, A.I. (2015) **Membrane Technology @ KIT-IFG: Water Treatment Applications**, Seminar BLÜCHER GmbH, 16 September 2015, Erkrath, Germany.
- [S102] Schäfer, A.I. (2015) **Membrane Technology: from novel materials to innovative water treatment systems**, DFG Professoren Rundgespräch, 15 September 2015, Dechema, Frankfurt, Germany.
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- [S100] Schäfer, A.I. (2015) **Membrane Technology @ KIT-IFG: Water Treatment Applications**, Seminar LANXESS, 18 May 2015, Bitterfeld, Germany.
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- [S98] Schäfer, A.I. (2015) **Membrane Technology @ KIT-IFG: Water Treatment Applications**, Visit of VTT Finland to KIT, 11 March 2015, Karlsruhe, Germany.
- [S97] Schäfer, A.I. ; Richards, B.S. (2015) **Renewable Energy Powered Water Treatment Systems for Decentralized Applications**, Visit Pfeffer Filtrationstechnik to KIT, 22 January 2015, Eggenstein-Leopoldshafen, Germany.
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- [S84] Shen, J. ; Schäfer, A.I. (2013) **Fluoride and organic matter removal from Tanzanian waters by nanofiltration & reverse osmosis**, Fluoride Removal from Drinking Water: Health and Technology Implications, An interdisciplinary research workshop, 12-13 September 2013, Nelson Mandela African Institute of Science & Technology, Old Moshi Road, Tengeru, Arusha, Tanzania.
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- [W21] Fluoride Removal from Drinking Water: Health and Technology Implications, An interdisciplinary research workshop, **Schäfer A.I.** ; Muzuka, A. ; Mkongo, G. ; Mubofu, E. ; Dahi, E. ; Vuhahula, E. ; Malebo, H. ; Musa Njee, R. (Organising Committee) 12-13 September 2013, Nelson Mandela African Institute of Science & Technology, Old Moshi Road, Tengeru, Arusha, Tanzania.
- [W20] UK Innovation Potential in Advanced Water Treatment: Future Directions & Strategy III **Schäfer A.I.** ; Ponton, G. ; Jensen H. (Co-Chairs) 21 March 2012, Edinburgh, UK.
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- [W18] Discussion meeting on advanced technologies for water and energy Pradeep, T. ; **Schäfer A.I.** ; Richards, B.S. (Co-Chairs) , 16-18 Oct 2011, IIT Chennai, India.
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- [W16] Membrane Pore Transport Phenomena: Theory and Experiment **Schäfer A.I.** (Chair) 10 June 2010, Edinburgh, UK.
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- [W13] New Frontiers in Electrodialysis Research **Schäfer A.I.** (Chair) 9 Sept 2009, Edinburgh, UK.
- [W12] Exploring the Potential of Membranes in Nanotechnology & Micropollutant Research **Schäfer A.I.** (Chair) 21 May 2009, Edinburgh, UK.
- [W11] Water and Sanitation in International Development and Disaster Relief 2008 **Schäfer A.I.** (Chair) 28-30 May 2008, Edinburgh, UK.
- [W10] MICROPOL/ECOHAZARD 2007 Ternes, T. ; **Schäfer A.I.** (Co-Chairs) 17-20 June 2007, Dechema, Frankfurt, Germany.
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- [W8] A Triple Bottom Line Approach to Water Recycling, Oz-Aquarec Workshop VI; **Schäfer A.I.** (Chair) 21 May 2004, Wollongong, NSW, Australia
- [W7] Membranes in Water Treatment and Recycling: Operational & Performance Issues, Oz-Aquarec Workshop V; **Schäfer A.I.** (Chair) 20 May 2004, Wollongong, NSW, Australia.
- [W6] Detection, Fate and Removal of Trace Contaminants, Oz-Aquarec Workshop IV; **Schäfer A.I.** (Chair) 13 Feb 2004, Wollongong, NSW, Australia.
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