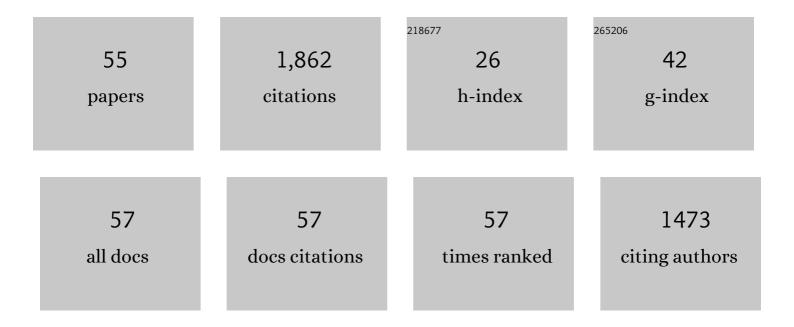
Frank Welle

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Migration Testing of GPPS and HIPS Polymers: Swelling Effect Caused by Food Simulants Compared to Real Foods. Molecules, 2022, 27, 823.	3.8	8
2	Recycling of Post-Consumer Packaging Materials into New Food Packaging Applications—Critical Review of the European Approach and Future Perspectives. Sustainability, 2022, 14, 824.	3.2	38
3	A new method for the prediction of diffusion coefficients in poly(ethylene terephthalate)—Validation data. Packaging Technology and Science, 2022, 35, 405-413.	2.8	6
4	Impact of Partitioning in Short-Term Food Contact Applications Focused on Polymers in Support of Migration Modelling and Exposure Risk Assessment. Molecules, 2022, 27, 121.	3.8	5
5	Migration of Styrene in Yogurt and Dairy Products Packaged in Polystyrene: Results from Market Samples. Foods, 2022, 11, 2120.	4.3	13
6	Diffusion Coefficients and Activation Energies of Diffusion of Organic Molecules in Polystyrene below and above Glass Transition Temperature. Polymers, 2021, 13, 1317.	4.5	31
7	Litsea cubeba fruit essential oil and its major constituent citral as volatile agents in an antimicrobial packaging material Food Microbiology, 2021, 96, 103725.	4.2	40
8	Circularity Study on PET Bottle-To-Bottle Recycling. Sustainability, 2021, 13, 7370.	3.2	42
9	Migration from acrylonitrile butadiene styrene (ABS) polymer: swelling effect of food simulants compared to real foods. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 19-33.	1.4	14
10	Safety Evaluation of Polyethylene Terephthalate Chemical Recycling Processes. Sustainability, 2021, 13, 12854.	3.2	2
11	Effect of recycled content and rPET quality on the properties of PET bottles, part II: Migration. Packaging Technology and Science, 2020, 33, 359-371.	2.8	33
12	Recyclable Multilayer Packaging by Means of Thermoreversibly Crosslinking Adhesive in the Context of Food Law. Polymers, 2020, 12, 2988.	4.5	7
13	Contamination Levels in Recollected PET Bottles from Non-Food Applications and their Impact on the Safety of Recycled PET for Food Contact. Molecules, 2020, 25, 4998.	3.8	39
14	Chemical Migration from Beverage Packaging Materials—A Review. Beverages, 2020, 6, 37.	2.8	28
15	Diffusion in barriers: Insights from flux tests. Polymer Testing, 2019, 78, 105982.	4.8	1
16	Comment on "exposure to microplastics (<10 μm) associated to plastic bottles mineral water consumption: The first quantitative study by Zuccarello etÂal. [Water Research 157 (2019) 365–371]". Water Research, 2019, 162, 516-517.	11.3	12
17	Diffusion Coefficients of <i>n</i> -Alkanes and 1-Alcohols in Polyethylene Naphthalate (PEN). International Journal of Polymer Science, 2019, 2019, 1-9.	2.7	14
18	Migration of Bisphenol A from Can Coatings into Beverages at the End of Shelf Life Compared to Regulated Test Conditions. Beverages, 2019, 5, 3.	2.8	16

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#	Article	IF	CITATIONS
19	A blob model to parameterize polymer hole free volumes and solute diffusion. Soft Matter, 2019, 15, 8912-8932.	2.7	10
20	Migration Testing of Polyethylene Terephthalate: Comparison of Regulated Test Conditions with Migration into Real Food at the End of Shelf Life. Packaging Technology and Science, 2018, 31, 771-780.	2.8	20
21	Microplastic in bottled natural mineral water – literature review and considerations on exposure and risk assessment. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 2482-2492.	2.3	78
22	Migration of Acetaldehyde From PET Bottles Into Natural Mineral Water. , 2018, , .		2
23	Migration of Acetaldehyde Scavengers From PET Bottles. , 2017, , .		1
24	Food Package Testing Authorities and Regulations. , 2017, , 303-332.		0
25	Functional Barrier Performance of a Polyamide-6 Membrane Towards <i>n</i> -Alkanes and 1-Alcohols. Packaging Technology and Science, 2016, 29, 277-287.	2.8	11
26	Investigation into cross-contamination during cleaning efficiency testing in PET recycling. Resources, Conservation and Recycling, 2016, 112, 65-72.	10.8	26
27	Diffusion behaviour of the acetaldehyde scavenger 2-aminobenzamide in polyethylene terephthalate for beverage bottles. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1-9.	2.3	9
28	How to determine functional barrier performance towards mineral oil contaminants from recycled cardboard. Food Packaging and Shelf Life, 2015, 5, 41-49.	7.5	18
29	Food Law Compliance of Poly(ethylene Terephthalate) (PET) Food Packaging Materials. ACS Symposium Series, 2014, , 167-195.	0.5	16
30	Activation energies of diffusion of organic migrants in cyclo olefin polymer. International Journal of Pharmaceutics, 2014, 473, 510-517.	5.2	13
31	Simulation of the Decontamination Efficiency of PET Recycling Processes based on Solidâ€state Polycondensation. Packaging Technology and Science, 2014, 27, 141-148.	2.8	10
32	Determination and Prediction of the Lag Times of Hydrocarbons through a Polyethylene Terephthalate Film. Packaging Technology and Science, 2014, 27, 963-974.	2.8	19
33	Is PET bottle-to-bottle recycling safe? Evaluation of post-consumer recycling processes according to the EFSA guidelines. Resources, Conservation and Recycling, 2013, 73, 41-45.	10.8	35
34	Permeation of Mineral Oil Components from Cardboard Packaging Materials through Polymer Films. Packaging Technology and Science, 2013, 26, 423-434.	2.8	31
35	A new method for the prediction of diffusion coefficients in poly(ethylene terephthalate). Journal of Applied Polymer Science, 2013, 129, 1845-1851.	2.6	50

36 Determination of the activation energies of diffusion of organic molecules in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td

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#	Article	IF	CITATIONS
37	Quantification of the Sorption Behavior of Polyethylene Terephthalate Polymer versus PET/PA Polymer Blends towards Organic Compounds. Packaging Technology and Science, 2012, 25, 341-349.	2.8	9
38	Diffusion coefficients and activation energies of diffusion of low molecular weight migrants in Poly(ethylene terephthalate) bottles. Polymer Testing, 2012, 31, 93-101.	4.8	51
39	Migration of antimony from PET bottles into beverages: determination of the activation energy of diffusion and migration modelling compared with literature data. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2011, 28, 115-126.	2.3	92
40	Twenty years of PET bottle to bottle recycling—An overview. Resources, Conservation and Recycling, 2011, 55, 865-875.	10.8	430
41	Investigation into the sorption of nitroglycerin and diazepam into PVC tubes and alternative tube materials during application. International Journal of Pharmaceutics, 2009, 369, 30-37.	5.2	47
42	Migration measurement and modelling from poly(ethylene terephthalate) (PET) into soft drinks and fruit juices in comparison with food simulants. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 1033-1046.	2.3	60
43	SiO <i>_x</i> layer as functional barrier in polyethylene terephthalate (PET) bottles against potential contaminants from post-consumer recycled PET. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 788-794.	2.3	15
44	Decontamination efficiency of a new post-consumer poly(ethylene terephthalate) (PET) recycling concept. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 123-131.	2.3	27
45	Recycled plastics and chemical migration into food. , 2007, , 205-227.		2
46	Post-consumer contamination in high-density polyethylene (HDPE) milk bottles and the design of a bottle-to-bottle recycling process. Food Additives and Contaminants, 2005, 22, 999-1011.	2.0	46
47	Intra-oral detection of potent odorants using a modi?ed stir-bar sorptive extraction system in combination with HRGC-O, known as the buccal odour screening system (BOSS). Flavour and Fragrance Journal, 2004, 19, 505-514.	2.6	38
48	Migration and sensory evaluation of irradiated polymers. Radiation Physics and Chemistry, 2004, 71, 205-208.	2.8	28
49	European survey on post-consumer poly(ethylene terephthalate) (PET) materials to determine contamination levels and maximum consumer exposure from food packages made from recycled PET. Food Additives and Contaminants, 2004, 21, 265-286.	2.0	75
50	Effect of Ionizing Radiation on the Migration Behavior and Sensory Properties of Plastic Packaging Materials. ACS Symposium Series, 2004, , 236-261.	0.5	7
51	Recycled poly(ethylene terephthalate) for direct food contact applications: challenge test of an inline recycling process. Food Additives and Contaminants, 2002, 19, 502-511.	2.0	50
52	Migration and sensory changes of packaging materials caused by ionising radiation. Radiation Physics and Chemistry, 2002, 63, 841-844.	2.8	46
53	Moisture management for a successful analysis of polymers with chemical sensor systems. Sensors and Actuators B: Chemical, 2000, 69, 372-378.	7.8	1
54	The effects of γ-irradiation on compositional changes in plastic packaging films. Packaging Technology and Science, 1999, 12, 119-130.	2.8	73

#	Article	IF	CITATIONS
55	Substituenteneffekte auf die CCâ€Bindungsstäke, 14. Kinetische und thermodynamische Stabilitävon 2,3â€Bis(dialkylamino)â€1,4â€diketonen — Stabilisierungsenergie captoâ€dativ substituierter aâ€Dialkylaminoâ€aâ€Carbonylalkylâ€Radikale. Chemische Berichte, 1994, 127, 697-710.	0.2	31