

Nummer	Zitation	Anzahl der Zitationen*
Publikationen		
12	M. Franke, B. Ondruschka, A. Ignaszask, M. Stelter, P. Braeutigam, Hydrodynamic-acoustic-cavitation for biodiesel synthesis, <i>Fuel</i> , in preparation.	-
11	M. Dietrich, M. Franke, M. Stelterm P. Braeutigam, Degradation of endocrine disruptor bisphenol A by ultrasound-assisted electrochemical oxidation in water, <i>Ultrason. Sonochem.</i> , 39, 741, (2017).	15
10	P. Finkbeiner, M. Franke, F. Anschuetz, A. Ignaszak, M. Stelter, P. Braeutigam, Sonoelectrochemical degradation of diclofenac in water, <i>Chem. Eng. J.</i> , 273, 214, (2015).	19
9	Y.-Z. Ren, M. Franke, F. Anschuetz, B. Ondruschka, A. Ignaszak, P. Braeutigam, Sonoelectrochemical degradation of triclosan in water, <i>Ultrason. Sonochem.</i> , 21,2020, (2014).	20
8	P. Braeutigam, M. Franke, B. Ondruschka, Effect of ultrasound amplitude and reaction time on the anaerobic fermentation of chicken manure for biogas production, <i>Biomass Bioenerg.</i> , 63, 109, (2014).	17
7	Y. Ren, Z. L. Wu, M. Franke, P. Braeutigam, B. Ondruschka, D. J. Comeskey, P. M. King, Sonoelectrochemical degradation of phenol in aqueous solutions, <i>Ultrason. Sonochem.</i> , 20, 715, (2013).	22
6	P. Braeutigam, M. Franke, R. J. Schneider, A. Lehmann, A. Stolle, B. Ondruschka, Degradation of carbamazepine in environmentally relevant concentrations in water by Hydrodynamic-Acoustic-Cavitation (HAC), <i>Water Res.</i> , 46, 2469, (2012).	62
5	M. Franke, P. Braeutigam, Z. L. Wu, Y. Ren, B. Ondruschka, Enhancement of chloroform degradation by the combination of hydrodynamic and acoustic cavitation, <i>Ultrason. Sonochem.</i> , 18, 888, (2011).	30
4	Z. L. Wu, M. Franke, B. Ondruschka, Y. Zhang, Y. Ren, P. Braeutigam, W. Wang, Enhanced effect of suction-cavitation on the ozonation of phenol, <i>J. Hazard. Mat.</i> , 190, 375, (2011).	32

3	Y. Z. Ren, Z. L. Wu, B. Ondruschka, P. Braeutigam, M. Franke, H. Nehring, U. Hampel, Oxidation of phenol by microbubble-assisted microelectrolysis, <i>Chem. Eng. Technol.</i> , 34, 699, (2011).	8
2	P. Braeutigam, M. Franke, Z. L. Wu, B. Ondruschka, Role of different parameters in the optimization of hydrodynamic cavitation, <i>Chem. Eng. Technol.</i> , 33, 932, (2010).	26
1	Z. L. Wu, B. Ondruschka, Y. C. Zhang, D. H. Bremner, H. F. Shen, M. Franke, Chemistry driven by suction, <i>Green Chem.</i> , 11, 1026, (2009).	10

Tagungen und Konferenzbeiträge

7	DBU-Forum: Sanfte Medizin für sauberes Wasser, Osnabrück, 2/2015.
6	3 rd International Conference on Environment, Chemistry and Biology (ICECB 2014), Hydrodynamic-Acoustic-Cavitation for Biodiesel Synthesis, Port Louis, Mauritius, 11/2014.
5	Green Process Engineering (GPE 2011), Hydrodynamic-Acoustic-Cavitation (HAC) for Technical Applications: Biodiesel Synthesis, Kuala Lumpur, Malaysia, 12/2011.
4	Workshop Kavitation in Medizin und Technik, Kavitations-assistierte kontinuierliche Synthese von Biodiesel, Bad Drübeck Deutschland, 10/2011.
3	8 th German-Vietnamese Summer School on Selected Topics of Environmental Technology, Cavitation for technical applications: waste water treatment and biodiesel synthesis, Hanoi bzw. Ho-Chi-Minh-Stadt, Vietnam, 9/2011.
2	8 th German-Vietnamese Summer School on Selected Topics of Environmental Technology, Strategies for the detection and analysis of pesticides and herbicides in agricultural products and soils, Hanoi bzw. Ho-Chi-Minh-Stadt, Vietnam, 9/2011.
1	12 th Meeting of the European Society of Sonochemistry, Enhancement of CHCl ₃ degradation by a hybrid cavitation method, Chania, Griechenland, 6/2010.

Popularisierung

3	G. König, „Hormone und Antibiotika – Mit Blasen gegen Arzneimittelrückstände im Abwasser“, In: Welt online, http://www.welt.de/wissenschaft/umwelt/articl
---	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

e 13678197/Mit-Blasen-gegen-Arzneirueckstaende-
im-Abwasser.html 10/2011.

2 M. Franke, Z. L. Wu, B. Ondruschka, Kavitations-
phänomene und ihre Anwendungsmöglichkeiten:
Kleine Blasen mit riesigen Effekten, GIT Labor-
Fachzeitschrift, 9/2011.

1 Stephan Laudien, „Winzige Blasen mit riesigen
Kräften“, Uni-Journal Jena, 7/2011.

*Stand 01/2020