

# Anett Georgi

## List of Publications by Year in descending order

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43  
papers

2,471  
citations

257450

24  
h-index

265206

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of adsorption and catalytic reactions in water decontamination processes. Applied Catalysis B: Environmental, 2005, 58, 9-18.	20.2	247
2	Humic acid modified Fenton reagent for enhancement of the working pH range. Applied Catalysis B: Environmental, 2007, 72, 26-36.	20.2	235
3	Nano-sized magnetic iron oxides as catalysts for heterogeneous Fenton-like reactionsâ€”Influence of Fe(II)/Fe(III) ratio on catalytic performance. Journal of Hazardous Materials, 2012, 241-242, 433-440.	12.4	228
4	LaFeO <sub>3</sub> and BiFeO <sub>3</sub> perovskites as nanocatalysts for contaminant degradation in heterogeneous Fenton-like reactions. Chemical Engineering Journal, 2014, 239, 322-331.	12.7	151
5	Fe-zeolites as heterogeneous catalysts in solar Fenton-like reactions at neutral pH. Applied Catalysis B: Environmental, 2012, 125, 51-58.	20.2	141
6	Indications of the reactive species in a heterogeneous Fenton-like reaction using Fe-containing zeolites. Applied Catalysis A: General, 2011, 398, 44-53.	4.3	128
7	Carbo-Iron â€” An Fe/AC composite â€” As alternative to nano-iron for groundwater treatment. Water Research, 2012, 46, 3817-3826.	11.3	123
8	Hydrophobic Fe-Zeolites for Removal of MTBE from Water by Combination of Adsorption and Oxidation. Environmental Science & Technology, 2013, 47, 2353-2360.	10.0	96
9	Sorption of Pyrene to Dissolved Humic Substances and Related Model Polymers. 1. Structureâ€”Property Correlation. Environmental Science & Technology, 2001, 35, 2536-2542.	10.0	94
10	Alternative sources of hydrogen for hydrodechlorination of chlorinated organic compounds in water on Pd catalysts. Applied Catalysis A: General, 2004, 271, 119-128.	4.3	91
11	Fe-zeolites as catalysts for chemical oxidation of MTBE in water with H <sub>2</sub> O <sub>2</sub> . Applied Catalysis B: Environmental, 2009, 89, 356-364.	20.2	85
12	Accelerated Catalytic Fenton Reaction with Traces of Iron: An Feâ€”Pd-Multicatalysis Approach. Environmental Science & Technology, 2016, 50, 5882-5891.	10.0	81
13	Understanding the effect of carbon surface chemistry on adsorption of perfluorinated alkyl substances. Chemical Engineering Journal, 2020, 381, 122689.	12.7	74
14	A field investigation on transport of carbon-supported nanoscale zero-valent iron (nZVI) in groundwater. Journal of Contaminant Hydrology, 2015, 181, 59-68.	3.3	56
15	Colloidal activated carbon for in-situ groundwater remediation â€” Transport characteristics and adsorption of organic compounds in water-saturated sediment columns. Journal of Contaminant Hydrology, 2015, 179, 76-88.	3.3	49
16	Natural and synthetic zeolites in adsorption/oxidation processes to remove surfactant molecules from water. Separation and Purification Technology, 2014, 127, 1-9.	7.9	48
17	Influence of Sorption to Dissolved Humic Substances on Transformation Reactions of Hydrophobic Organic Compounds in Water. I. Chlorination of PAHs. Environmental Science & Technology, 2007, 41, 7003-7009.	10.0	40
18	Sulfidation of ZVI/AC composite leads to highly corrosion-resistant nanoremediation particles with extended life-time. Science of the Total Environment, 2019, 665, 235-245.	8.0	40

#	ARTICLE	IF	CITATIONS
19	Enhanced degradation of perfluorooctanoic acid by heat-activated persulfate in the presence of zeolites. <i>Chemical Engineering Journal</i> , 2022, 429, 132500.	12.7	40
20	Sorption of Pyrene to Dissolved Humic Substances and Related Model Polymers. 2. Solid-Phase Microextraction (SPME) and Fluorescence Quenching Technique (FQT) as Analytical Methods. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4403-4409.	10.0	38
21	Photodegradation of Perfluorooctanesulfonic Acid on Fe-Zeolites in Water. <i>Environmental Science &amp; Technology</i> , 2021, 55, 614-622.	10.0	38
22	Critical Evaluation of the 2D-CSIA Scheme for Distinguishing Fuel Oxygenate Degradation Reaction Mechanisms. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4757-4766.	10.0	36
23	Degradation of perfluorooctanoic acid adsorbed on Fe-zeolites with molecular oxygen as oxidant under UV-A irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119283.	20.2	34
24	Zeolites as recyclable adsorbents/catalysts for biogas upgrading: Removal of octamethylcyclotetrasiloxane. <i>Chemical Engineering Journal</i> , 2017, 307, 820-827.	12.7	33
25	What is specific in adsorption of perfluoroalkyl acids on carbon materials?. <i>Chemosphere</i> , 2021, 273, 128520.	8.2	25
26	Chlorophenol degradation using a one-pot reduction-oxidation process. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 161-168.	20.2	20
27	Controlling adsorption of perfluoroalkyl acids on activated carbon felt by means of electrical potentials. <i>Chemical Engineering Journal</i> , 2021, 416, 129070.	12.7	20
28	Influence of sorption to dissolved humic substances on transformation reactions of hydrophobic organic compounds in water. Part II: Hydrolysis reactions. <i>Chemosphere</i> , 2008, 71, 1452-1460.	8.2	19
29	Mechanistic insights into fast adsorption of perfluoroalkyl substances on carbonate-layered double hydroxides. <i>Journal of Hazardous Materials</i> , 2021, 408, 124815.	12.4	18
30	Validation of a modified Flory-Huggins concept for description of hydrophobic organic compound sorption on dissolved humic substances. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1766-1774.	4.3	17
31	Fe-Zeolites as Catalysts for Wet Peroxide Oxidation of Organic Groundwater Contaminants: Mechanistic Studies and Applicability Tests. <i>Separation Science and Technology</i> , 2010, 45, 1579-1586.	2.5	16
32	Suspension stability and mobility of Trap-Ox Fe-zeolites for in-situ nanoremediation. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 311-320.	9.4	16
33	What Controls Selectivity of Hydroxyl Radicals in Aqueous Solution? Indications for a Cage Effect. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7947-7955.	2.5	15
34	Adsorption of polar and ionic organic compounds on activated carbon: Surface chemistry matters. <i>Science of the Total Environment</i> , 2021, 794, 148508.	8.0	15
35	Electro-assisted removal of polar and ionic organic compounds from water using activated carbon felts. <i>Chemical Engineering Journal</i> , 2022, 433, 133544.	12.7	11
36	Validation of a modified flory-huggins concept for description of hydrophobic organic compound sorption on dissolved humic substances. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1766-74.	4.3	11

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37	Stabilization of potassium permanganate particles with manganese dioxide. Chemosphere, 2012, 86, 783-788.	8.2	8
38	Fluorescence labelling as tool for zeolite particle tracking in nanoremediation approaches. Science of the Total Environment, 2016, 550, 820-826.	8.0	8
39	Application of SPME to study sorption phenomena on dissolved humic organic matter. RSC Chromatography Monographs, 0, , 111-128.	0.1	8
40	Efficient removal of trifluoroacetic acid from water using surface-modified activated carbon and electro-assisted desorption. Journal of Hazardous Materials, 2022, 436, 129051.	12.4	7
41	Carbo-Iron - ein maßgeschneidertes Reagenz zur In-situ-Grundwassersanierung. Chemie-Ingenieur-Technik, 2013, 85, 1302-1311.	0.8	6
42	Current and future trends in adsorption for environmental separations. Journal of Hazardous Materials, 2022, 433, 128776.	12.4	3
43	Comments on "Reuse of Semiconductor Wastewater Using Reverse Osmosis and Metal-Immobilized Catalyst-Based Advanced Oxidation Process" Industrial & Engineering Chemistry Research, 2014, 53, 18585-18586.	3.7	2