

# Jacek A Koziel

## List of Publications by Year in descending order

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272  
papers

5,821  
citations

66234

42  
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110170

64  
g-index

306  
all docs

306  
docs citations

306  
times ranked

4076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical approaches for detection of breath VOC biomarkers of cattle diseases -A review. <i>Analytica Chimica Acta</i> , 2022, 1206, 339565.	2.6	7
2	Means, motive, and opportunity. <i>Elementa</i> , 2022, 10, .	1.1	0
3	Carbon Monoxide Fate in the Environment as an Inspiration For Biorefinery Industry: A Review. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	12
4	Dataset Documenting the Interactions of Biochar with Manure, Soil, and Plants: Towards Improved Sustainability of Animal and Crop Agriculture. <i>Data</i> , 2022, 7, 32.	1.2	1
5	Effectively using ultraviolet-C light for supply decontamination on swine farms. , 2022, 30, 101-106.		1
6	Mitigation of Air Pollutants by UV-A Photocatalysis in Livestock and Poultry Farming: A Mini-Review. <i>Catalysts</i> , 2022, 12, 782.	1.6	4
7	Simultaneous Chemical and Sensory Analysis of Domestic Cat Urine and Feces with Headspace Solid-Phase Microextraction and GC-MS-Olfactometry. <i>Separations</i> , 2021, 8, 15.	1.1	4
8	Treatment of Airborne PRRSV Transmission with UV Light: Proof-of-concept. , 2021, , .		0
9	The Nose Knows! Interactions between soil smell and soil health. , 2021, , .		0
10	Reduction of gaseous emissions from swine manure: effect of biochar dose and reapplication. , 2021, , .		0
11	Mitigation of acute H2S and NH3 emissions from swine manure during agitation using pelletized biochar. , 2021, , .		0
12	The prototype of a low-cost mobile CO2 vaporizer system for on-site humane swine depopulation, disposal, and biosecure cleanup. , 2021, , .		1
13	Pilot-scale evaluation of UV-A & UV-C photocatalytic treatment for mitigating odorous gas emissions from swine manure. , 2021, , .		0
14	Field-scale testing of mobile laboratory for mitigation of gaseous emissions from the swine farm with UV-A photocatalysis. , 2021, , .		0
15	Removing barriers for adoption of biochar treatment to mitigate gaseous emissions from manure: can common binders improve the performance of powder and pelletized biochar?. , 2021, , .		0
16	Basics of ultraviolet C (UV-C) light: considerations for use at livestock production facilities. , 2021, , .		1
17	Design, testing, and commissioning of mobile laboratory for mitigation of gaseous emission from livestock barns with photocatalysis. , 2021, , .		0
18	Pilot-scale UV-A light treatment for mitigation of NH3, H2S, GHGs, VOCs, odor, and O3 inside the poultry barn. , 2021, , .		0

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19	Mitigation of Gaseous Emissions from Stored Swine Manure with Biochar: Effect of Dose and Reapplication on a Pilot-Scale. <i>Atmosphere</i> , 2021, 12, 96.	1.0	10
20	Kinetic Parameters of Nut Shells Pyrolysis. <i>Energies</i> , 2021, 14, 682.	1.6	21
21	Professional Development and Education: Central Asia University Partnership Program (UniCEN) between Iowa State University and Tashkent Institute of Irrigation and Agricultural Mechanization Engineers and TIAME Bukhara Branch. , 2021, , .		0
22	Design and Testing of Mobile Laboratory for Mitigation of Gaseous Emissions from Livestock Agriculture with Photocatalysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1523.	1.2	8
23	Summary and Overview of the Odour Regulations Worldwide. <i>Atmosphere</i> , 2021, 12, 206.	1.0	44
24	Lab-Scale Study of Temperature and Duration Effects on Carbonized Solid Fuels Properties Produced from Municipal Solid Waste Components. <i>Materials</i> , 2021, 14, 1191.	1.3	9
25	Modeling of CO Accumulation in the Headspace of the Bioreactor during Organic Waste Composting. <i>Energies</i> , 2021, 14, 1367.	1.6	6
26	Mitigation of Airborne PRRSV Transmission with UV Light Treatment: Proof-of-Concept. <i>Agriculture (Switzerland)</i> , 2021, 11, 259.	1.4	14
27	Evaluation of TiO <sub>2</sub> Based Photocatalytic Treatment of Odor and Gaseous Emissions from Swine Manure with UV-A and UV-C. <i>Animals</i> , 2021, 11, 1289.	1.0	9
28	Comparing Biochar-Swine Manure Mixture to Conventional Manure Impact on Soil Nutrient Availability and Plant Uptakeâ€”A Greenhouse Study. <i>Land</i> , 2021, 10, 372.	1.2	13
29	Mitigation of Acute Ammonia Emissions With Biochar During Swine Manure Agitation Before Pump-Out: Proof-of-the-Concept. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	6
30	Biochar-Swine Manure Impact on Soil Nutrients and Carbon Under Controlled Leaching Experiment Using a Midwestern Mollisols. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	18
31	Mitigation of Odor and Gaseous Emissions from Swine Barn with UV-A and UV-C Photocatalysis. <i>Atmosphere</i> , 2021, 12, 585.	1.0	8
32	Designing and Testing of a System for Aerosolization and Recovery of Viable Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): Theoretical and Engineering Considerations. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 659609.	2.0	3
33	Waste to phosphorus: A transdisciplinary solution to P recovery from wastewater based on the TRIZ approach. <i>Journal of Environmental Management</i> , 2021, 287, 112235.	3.8	28
34	Mitigation of Acute Hydrogen Sulfide and Ammonia Emissions from Swine Manure during Three-Hour Agitation Using Pelletized Biochar. <i>Atmosphere</i> , 2021, 12, 825.	1.0	7
35	Phosphorus Recovery from Sewage Sludge Ash Based on Cradle-to-Cradle Approachâ€”Mini-Review. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 985.	0.8	14
36	Socio-Economic and Governance Conditions Corresponding to Change in Animal Agriculture: South Dakota Case Study. <i>Sustainability</i> , 2021, 13, 10682.	1.6	0

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37	Method for aerosolization and collection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): engineering considerations. , 2021, , .		0
38	The Prediction of Calorific Value of Carbonized Solid Fuel Produced from Refuse-Derived Fuel in the Low-Temperature Pyrolysis in CO <sub>2</sub> . Materials, 2021, 14, 49.	1.3	11
39	The Proof-of-Concept: The Transformation of Naphthalene and Its Derivatives into Decalin and Its Derivatives during Thermochemical Processing of Sewage Sludge. Energies, 2021, 14, 6479.	1.6	1
40	Environmental Odour. Atmosphere, 2021, 12, 1293.	1.0	4
41	Mitigation of Particulate Matter and Airborne Pathogens in Swine Barn Emissions with Filtration and UV-A Photocatalysis. Catalysts, 2021, 11, 1302.	1.6	5
42	Understanding the Role of Semiochemicals on the Reproductive Behaviour of Cheetahs (Acinonyx Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.0	8
43	Qualitative Exploration of the "Rolling Unmasking Effect"™ for Downwind Odor Dispersion from a Model Animal Source. International Journal of Environmental Research and Public Health, 2021, 18, 13085.	1.2	3
44	Volatile Compounds Emitted from the Cat Urine Contaminated Carpet before and after Treatment with Marketed Cleaning Products: A Simultaneous Chemical and Sensory Analysis. Data, 2020, 5, 88.	1.2	4
45	Kinetics of Biotic and Abiotic CO Production during the Initial Phase of Biowaste Composting. Energies, 2020, 13, 5451.	1.6	6
46	Synergy of Thermochemical Treatment of Dried Distillers Grains with Solubles with Bioethanol Production for Increased Sustainability and Profitability. Energies, 2020, 13, 4528.	1.6	5
47	Effects of Treated Manure Conditions on Ammonia and Hydrogen Sulfide Emissions from a Swine Finishing Barn Equipped with Semicontinuous Pit Recharge System in Summer. Atmosphere, 2020, 11, 713.	1.0	4
48	Effects of UV-A Light Treatment on Ammonia in Lab-Scale. , 2020, , .		0
49	The Impact of Biochar Treatment on H <sub>2</sub> S and NH <sub>3</sub> Emissions During Manure Agitation Prior to Pump-Out. , 2020, , .		0
50	Mitigation of Gaseous Emissions from Swine Manure with the Surficial Application of Biochars. Atmosphere, 2020, 11, 1179.	1.0	15
51	The Proof-of-the Concept of Biochar Floating Cover Influence on Swine Manure pH: Implications for Mitigation of Gaseous Emissions From Area Sources. Frontiers in Chemistry, 2020, 8, 656.	1.8	11
52	Effect of Biochar Diet Supplementation on Chicken Broilers Performance, NH <sub>3</sub> and Odor Emissions and Meat Consumer Acceptance. Animals, 2020, 10, 1539.	1.0	22
53	The Impact of Surficial Biochar Treatment on Acute H <sub>2</sub> S Emissions during Swine Manure Agitation before Pump-Out: Proof-of-the-Concept. Catalysts, 2020, 10, 940.	1.6	12
54	Proof-of-Concept of High-Pressure Torrefaction for Improvement of Pelletized Biomass Fuel Properties and Process Cost Reduction. Energies, 2020, 13, 4790.	1.6	3

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55	Is Biochar from the Torrefaction of Sewage Sludge Hazardous Waste?. <i>Materials</i> , 2020, 13, 3544.	1.3	9
56	&lt;i>&gt;Evaluating of Products for Mitigation of Odor and Reduction of NH3, H2S, GHG, and VOC Emissions from Swine Manure in Deep Pit Storage Structures&lt;i>&gt;. , 2020, , .		0
57	Mitigation of Odor, NH3, H2S, GHG, and VOC Emissions With Current Products for Use in Deep-Pit Swine Manure Storage Structures. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	8
58	Polymeric ionic liquid sorbent coatings in headspace solid-phase microextraction: A green sample preparation technique for the determination of pesticides in soil. <i>Microchemical Journal</i> , 2020, 157, 104996.	2.3	31
59	VOC Removal from Manure Gaseous Emissions with UV Photolysis and UV-TiO2 Photocatalysis. <i>Catalysts</i> , 2020, 10, 607.	1.6	23
60	Low-Temperature Pyrolysis of Municipal Solid Waste Components and Refuse-Derived Fuelâ€™Process Efficiency and Fuel Properties of Carbonized Solid Fuel. <i>Data</i> , 2020, 5, 48.	1.2	15
61	Laying Hens Biochar Diet Supplementationâ€™Effect on Performance, Excreta N Content, NH3 and VOCs Emissions, Egg Traits and Egg Consumers Acceptance. <i>Agriculture (Switzerland)</i> , 2020, 10, 237.	1.4	12
62	Emissions from Swine Manure Treated with Current Products for Mitigation of Odors and Reduction of NH3, H2S, VOC, and GHG Emissions. <i>Data</i> , 2020, 5, 54.	1.2	11
63	Waste to Energy: Solid Fuel Production from Biogas Plant Digestate and Sewage Sludge by Torrefaction-Process Kinetics, Fuel Properties, and Energy Balance. <i>Energies</i> , 2020, 13, 3161.	1.6	11
64	Effects of UV-A Light Treatment on Ammonia, Hydrogen Sulfide, Greenhouse Gases, and Ozone in Simulated Poultry Barn Conditions. <i>Atmosphere</i> , 2020, 11, 283.	1.0	22
65	Waterâ€™Energyâ€™Food Nexus Framework for Promoting Regional Integration in Central Asia. <i>Water (Switzerland)</i> , 2020, 12, 1896.	1.2	27
66	Pilot-Scale Testing of UV-A Light Treatment for Mitigation of NH3, H2S, GHGs, VOCs, Odor, and O3 Inside the Poultry Barn. <i>Frontiers in Chemistry</i> , 2020, 8, 613.	1.8	18
67	Waste-to-Carbon: Is the Torrefied Sewage Sludge with High Ash Content a Better Fuel or Fertilizer?. <i>Materials</i> , 2020, 13, 954.	1.3	19
68	The Effect of Dairy Cattle Housing Systems on the Concentrations and Emissions of Gaseous Mixtures in Barns Determined by Fourier-Transform Infrared Spectroscopy. <i>Annals of Animal Science</i> , 2020, 20, 1487-1507.	0.6	5
69	Oxytree Pruned Biomass Torrefaction: Mathematical Models of the Influence of Temperature and Residence Time on Fuel Properties Improvement. <i>Materials</i> , 2019, 12, 2228.	1.3	18
70	Valorization of Sewage Sludge via Gasification and Transportation of Compressed Syngas. <i>Processes</i> , 2019, 7, 556.	1.3	7
71	The-Proof-of-Concept of Biochar Floating Cover Influence on Water pH. <i>Water (Switzerland)</i> , 2019, 11, 1802.	1.2	13
72	Screening of Microbial Volatile Organic Compounds for Detection of Disease in Cattle: Development of Lab-scale Method. <i>Scientific Reports</i> , 2019, 9, 12103.	1.6	13

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73	Evaluation of Semi-Continuous Pit Manure Recharge System Performance on Mitigation of Ammonia and Hydrogen Sulfide Emissions from a Swine Finishing Barn. <i>Atmosphere</i> , 2019, 10, 170.	1.0	27
74	The Development of the INFEWS-ER: A Virtual Resource Center for Transdisciplinary Graduate Student Training at the Nexus of Food, Energy, and Water. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	13
75	A Review of Biochar Properties and Their Utilization in Crop Agriculture and Livestock Production. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3494.	1.3	64
76	Proof-of-Concept of Spent Mushrooms Compost Torrefaction—Studying the Process Kinetics and the Influence of Temperature and Duration on the Calorific Value of the Produced Biocoal. <i>Energies</i> , 2019, 12, 3060.	1.6	30
77	On-farm pilot-scale testing of black ultraviolet light and photocatalytic coating for mitigation of odor, odorous VOCs, and greenhouse gases. <i>Chemosphere</i> , 2019, 221, 778-784.	4.2	37
78	Effects of Harvest Time on the Aroma of White Wines Made from Cold-Hardy Brianna and Frontenac Gris Grapes Using Headspace Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry-Olfactometry. <i>Foods</i> , 2019, 8, 29.	1.9	11
79	The Proof-of-the-Concept of Application of Pelletization for Mitigation of Volatile Organic Compounds Emissions from Carbonized Refuse-Derived Fuel. <i>Materials</i> , 2019, 12, 1692.	1.3	7
80	Modeling solid-phase microextraction of volatile organic compounds by porous coatings using finite element analysis. <i>Analytica Chimica Acta</i> , 2019, 1076, 73-81.	2.6	15
81	Fuel Properties of Torrefied Biomass from Pruning of Oxytree. <i>Data</i> , 2019, 4, 55.	1.2	19
82	The Effect of Biochar Addition on the Biogas Production Kinetics from the Anaerobic Digestion of Brewers' Spent Grain. <i>Energies</i> , 2019, 12, 1518.	1.6	61
83	Waste to Carbon Energy Demand Model and Data Based on the TGA and DSC Analysis of Individual MSW Components. <i>Data</i> , 2019, 4, 53.	1.2	10
84	Analysis of the Spatial and Temporal Distribution of Process Gases within Municipal Biowaste Compost. <i>Sustainability</i> , 2019, 11, 2340.	1.6	22
85	The Spatial and Temporal Distribution of Process Gases within the Biowaste Compost. <i>Data</i> , 2019, 4, 37.	1.2	14
86	Torrefaction of Sewage Sludge: Kinetics and Fuel Properties of Biochars. <i>Energies</i> , 2019, 12, 565.	1.6	44
87	Stomatal Conductance Measurement for Toxicity Assessment in Zero-Effluent Constructed Wetlands: Effects of Landfill Leachate on Hydrophytes. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 468.	1.2	4
88	Waste to Carbon: Influence of Structural Modification on VOC Emission Kinetics from Stored Carbonized Refuse-Derived Fuel. <i>Sustainability</i> , 2019, 11, 935.	1.6	10
89	Evaluation of Volatile Metabolites Emitted In-Vivo from Cold-Hardy Grapes during Ripening Using SPME and GC-MS: A Proof-of-Concept. <i>Molecules</i> , 2019, 24, 536.	1.7	19
90	Development of Time-Weighted Average Sampling of Odorous Volatile Organic Compounds in Air with Solid-Phase Microextraction Fiber Housed inside a GC Glass Liner: Proof of Concept. <i>Molecules</i> , 2019, 24, 406.	1.7	9

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91	Lessons Learned by INFEWS-ER's virtual resource center for transdisciplinary graduate student training at the nexus of food, energy, and water. , 2019, , .		1
92	Waste to Carbon: Biocoal from Elephant Dung as New Cooking Fuel. <i>Energies</i> , 2019, 12, 4344.	1.6	27
93	Oxytree Pruned Biomass Torrefaction: Process Kinetics. <i>Materials</i> , 2019, 12, 3334.	1.3	24
94	The Biotic and Abiotic Carbon Monoxide Formation During Aerobic Co-digestion of Dairy Cattle Manure With Green Waste and Sawdust. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 283.	2.0	18
95	Biogenic Volatiles Emitted from Four Cold-Hardy Grape Cultivars During Ripening. <i>Data</i> , 2019, 4, 22.	1.2	4
96	Data evidencing slow anaerobic digestion in emergency treatment and disposal of infectious animal carcasses. <i>Data in Brief</i> , 2019, 22, 227-233.	0.5	3
97	Waste to Carbon: Estimating the Energy Demand for Production of Carbonized Refuse-Derived Fuel. <i>Sustainability</i> , 2019, 11, 5685.	1.6	13
98	Emisja lotnych związków organicznych z karbonizowanego paliwa z odpadów. <i>Przemysł Chemiczny</i> , 2019, 1, 103-105.	0.0	0
99	Lab-scale evaluation of aerated burial concept for treatment and emergency disposal of infectious animal carcasses. <i>Waste Management</i> , 2018, 76, 715-726.	3.7	10
100	Waste to Carbon: Densification of Torrefied Refuse-Derived Fuel. <i>Energies</i> , 2018, 11, 3233.	1.6	41
101	Optimization of Time-Weighted Average Air Sampling by Solid-Phase Microextraction Fibers Using Finite Element Analysis Software. <i>Molecules</i> , 2018, 23, 2736.	1.7	12
102	Quantification of VOC Emissions from Carbonized Refuse-Derived Fuel Using Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry. <i>Molecules</i> , 2018, 23, 3208.	1.7	11
103	Determination of Selected Aromas in Marquette and Frontenac Wine Using Headspace-SPME Coupled with GC-MS and Simultaneous Olfactometry. <i>Separations</i> , 2018, 5, 20.	1.1	8
104	Detection of Volatile Compounds Emitted from Nasal Secretions and Serum: Towards Non-Invasive Identification of Diseased Cattle Biomarkers. <i>Separations</i> , 2018, 5, 18.	1.1	19
105	Method for sampling and analysis of volatile biomarkers in process gas from aerobic digestion of poultry carcasses using time-weighted average SPME and GC-MS. <i>Food Chemistry</i> , 2017, 232, 799-807.	4.2	18
106	Odour reducing microbial-mineral additive for poultry manure treatment. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	25
107	Pilot-scale testing of renewable biocatalyst for swine manure treatment and mitigation of odorous VOCs, ammonia and hydrogen sulfide emissions. <i>Atmospheric Environment</i> , 2017, 150, 313-321.	1.9	29
108	Quantification of BTEX in Soil by Headspace SPME-GC-MS Using Combined Standard Addition and Internal Standard Calibration. <i>Chromatographia</i> , 2017, 80, 1249-1256.	0.7	17

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109	Field scale measurement of greenhouse gas emissions from land applied swine manure. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	17
110	Farm-scale testing of soybean peroxidase and calcium peroxide for surficial swine manure treatment and mitigation of odorous VOCs, ammonia and hydrogen sulfide emissions. <i>Atmospheric Environment</i> , 2017, 166, 467-478.	1.9	26
111	Characterizing the scent and chemical composition of Panthera leo marking fluid using solid-phase microextraction and multidimensional gas chromatography-mass spectrometry-olfactometry. <i>Scientific Reports</i> , 2017, 7, 5137.	1.6	29
112	&lt;i>&gt;Pilot-scale concept of real-time wind speed-matching wind tunnel for measurements of gaseous emissions&lt;/i>, , 2017, , .		1
113	Development of an Automated Method for Selected Aromas of Red Wines from Cold-Hardy Grapes Using Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry-Olfactometry. <i>Separations</i> , 2017, 4, 24.	1.1	13
114	Pilot-Scale Testing of Non-Activated Biochar for Swine Manure Treatment and Mitigation of Ammonia, Hydrogen Sulfide, Odorous Volatile Organic Compounds (VOCs), and Greenhouse Gas Emissions. <i>Sustainability</i> , 2017, 9, 929.	1.6	68
115	Mitigation of Livestock Odors Using Black Light and a New Titanium Dioxide-Based Catalyst: Proof-of-Concept. <i>Atmosphere</i> , 2017, 8, 103.	1.0	21
116	Passive Sampling and Analysis of Naphthalene in Internal Combustion Engine Exhaust with Retracted SPME Device and GC-MS. <i>Atmosphere</i> , 2017, 8, 130.	1.0	9
117	Evaluation of Tannins and Anthocyanins in Marquette, Frontenac, and St. Croix Cold-Hardy Grape Cultivars. <i>Fermentation</i> , 2017, 3, 47.	1.4	16
118	&amp;lt;i>&gt;Renewable biocatalyst for swine manure treatment and mitigation of odorous VOCs, ammonia and hydrogen sulfide emissions: Review&lt;/i>, , 2017, , .		0
119	Efficacy of NH3 as a secondary barrier treatment for inactivation of Salmonella Typhimurium and methicillin-resistant Staphylococcus aureus in digestate of animal carcasses: Proof-of-concept. <i>PLoS ONE</i> , 2017, 12, e0176825.	1.1	22
120	Use of fecal volatile organic compound analysis to discriminate between non-vaccinated and BCGâ€”Vaccinated cattle prior to and after Mycobacterium bovis challenge. <i>PLoS ONE</i> , 2017, 12, e0179914.	1.1	18
121	Xenobiotics, toxic compounds, mutagens and carcinogens substances. Classification and regulatory challenges Ksenobiotyki, substancje toksyczne, mutagenne i kancerogenne. <i>Klasyfikacja i aspekty prawne. Przemysl Chemiczny</i> , 2017, 1, 80-88.	0.0	0
122	Surface Application of Soybean Peroxidase and Calcium Peroxide for Reducing Odorous VOC Emissions from Swine Manure Slurry. <i>Applied Engineering in Agriculture</i> , 2016, 32, 389-398.	0.3	9
123	Analysis of Odorants in Marking Fluid of Siberian Tiger (Panthera tigris altaica) Using Simultaneous Sensory and Chemical Analysis with Headspace Solid-Phase Microextraction and Multidimensional Gas Chromatography-Mass Spectrometry-Olfactometry. <i>Molecules</i> , 2016, 21, 834.	1.7	21
124	Perspectives and challenges of on-site quantification of organic pollutants in soils using solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 111-122.	5.8	43
125	Summary of performance data for technologies to control gaseous, odor, and particulate emissions from livestock operations: Air management practices assessment tool (AMPAT). <i>Data in Brief</i> , 2016, 7, 1413-1429.	0.5	65
126	Further purification of food-grade alcohol to make a congener-free product. <i>Journal of the Institute of Brewing</i> , 2016, 122, 84-92.	0.8	11

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127	Taking ethanol quality beyond fuel grade: A review. <i>Journal of the Institute of Brewing</i> , 2016, 122, 588-598.	0.8	29
128	Simple and accurate quantification of BTEX in ambient air by SPME and GC-MS. <i>Talanta</i> , 2016, 154, 46-52.	2.9	61
129	Optimization of extraction parameters for quantification of fermentation volatile by-products in industrial ethanol with solid-phase microextraction and gas chromatography. <i>Journal of the Institute of Brewing</i> , 2016, 122, 102-109.	0.8	15
130	Performance of a plastic-wrapped composting system for biosecure emergency disposal of disease-related swine mortalities. <i>Waste Management</i> , 2016, 48, 483-491.	3.7	19
131	Strategie pisania podaÅ„, o dotacje badaÅ„, dla mA„odych pracownikÃ³w nauki: z perspektywy amerykaÅ„skiego uniwersytetu publicznego. <i>Puls Uczelni</i> , 2016, 10, 23-28.	0.1	1
132	Odor impact of volatiles emitted from marijuana, cocaine, heroin and their surrogate scents. <i>Data in Brief</i> , 2015, 5, 653-706.	0.5	10
133	Studying Plant-Insect Interactions with Solid Phase Microextraction: Screening for Airborne Volatile Emissions Response of Soybeans to the Soybean Aphid, <i>Aphis glycines</i> Matsumura (Hemiptera: Tj ETQq1 1107843140gBT /Ove		
134	Quantification of Carbonyl Compounds Generated from Ozone-Based Food Colorants Decomposition Using On-Fiber Derivatization-SPME-GC-MS. <i>Chromatography (Basel)</i> , 2015, 2, 1-18.	1.2	3
135	Strengthening Senior Technology Capstone course experience for agricultural and industrial technology students. , 2015, , .		0
136	Agriculture Study Abroad program to Poland. , 2015, , .		0
137	Determination of 1-methyl-1H-1,2,4-triazole in soils contaminated by rocket fuel using solid-phase microextraction, isotope dilution and gas chromatography-mass spectrometry. <i>Talanta</i> , 2015, 143, 226-233.	2.9	31
138	Testing odorants recovery from a novel metallized fluorinated ethylene propylene gas sampling bag. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 1434-1445.	0.9	12
139	Ethanol purification with ozonation, activated carbon adsorption, and gas stripping. <i>Separation and Purification Technology</i> , 2015, 151, 165-171.	3.9	16
140	Reducing Bacterial Contamination in Fuel Ethanol Fermentations by Ozone Treatment of Uncooked Corn Mash. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5239-5248.	2.4	12
141	Quantification of benzene, toluene, ethylbenzene and o-xylene in internal combustion engine exhaust with time-weighted average solid phase microextraction and gas chromatography mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 873, 38-50.	2.6	26
142	The relationship between chemical concentration and odor activity value explains the inconsistency in making a comprehensive surrogate scent training tool representative of illicit drugs. <i>Forensic Science International</i> , 2015, 257, 257-270.	1.3	34
143	Improved quantification of livestock associated odorous volatile organic compounds in a standard flow-through system using solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1414, 31-40.	1.8	15
144	Analysis of trace contaminants in hot gas streams using time-weighted average solid-phase microextraction: Pilot-scale validation. <i>Fuel</i> , 2015, 153, 552-558.	3.4	10

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145	Characterizing the Smell of Marijuana by Odor Impact of Volatile Compounds: An Application of Simultaneous Chemical and Sensory Analysis. PLoS ONE, 2015, 10, e0144160.	1.1	56
146	Quantification of phenol in soil using solid-phase microextraction, gas chromatography-mass spectrometry and standard addition. Chemical Bulletin of Kazakh National University, 2015, , 4-12.	0.1	3
147	Analytical Methods for Chemical and Sensory Characterization of Scent-Markings in Large Wild Mammals: A Review. Sensors, 2014, 14, 4428-4465.	2.1	27
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