

W Michael Griffin

List of Publications by Year in descending order

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49
papers

2,848
citations

159358
30
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197535
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all docs

49
docs citations

49
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse Gas Estimates of LNG Exports Must Include Global Market Effects. <i>Environmental Science & Technology</i> , 2022, 56, 1194-1201.	4.6	1
2	Decarbonizing US passenger vehicle transport under electrification and automation uncertainty has a travel budget. <i>Environmental Research Letters</i> , 2020, 15, 0940c2.	2.2	35
3	Environmental Aspects of Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019, 173, 77-119.	0.6	5
4	Refueling and Infrastructure Costs of Expanding Access to E85 in Pennsylvania. <i>Journal of Infrastructure Systems</i> , 2018, 24, 04017045.	1.0	1
5	Analysis of life-cycle GHG emissions for iron ore mining and processing in China—Uncertainty and trends. <i>Resources Policy</i> , 2018, 58, 90-96.	4.2	47
6	Representing and visualizing data uncertainty in input-output life cycle assessment models. <i>Resources, Conservation and Recycling</i> , 2018, 137, 316-325.	5.3	21
7	Effect of crude oil carbon accounting decisions on meeting global climate budgets. <i>Environment Systems and Decisions</i> , 2017, 37, 261-275.	1.9	2
8	Lung Cancer Risk from Radon in Marcellus Shale Gas in Northeast U.S. Homes. <i>Risk Analysis</i> , 2016, 36, 2105-2119.	1.5	13
9	The climate and health effects of a USA switch from coal to gas electricity generation. <i>Energy</i> , 2016, 109, 1160-1166.	4.5	61
10	The environmental competitiveness of small modular reactors: A life cycle study. <i>Energy</i> , 2016, 114, 84-99.	4.5	31
11	Life cycle assessment of lignocellulosic ethanol: a review of key factors and methods affecting calculated GHG emissions and energy use. <i>Current Opinion in Biotechnology</i> , 2016, 38, 63-70.	3.3	59
12	Uncertainty in the Life Cycle Greenhouse Gas Emissions from U.S. Production of Three Biobased Polymer Families. <i>Environmental Science & Technology</i> , 2016, 50, 2846-2858.	4.6	58
13	Changing the Renewable Fuel Standard to a Renewable Material Standard: Bioethylene Case Study. <i>Environmental Science & Technology</i> , 2015, 49, 93-102.	4.6	37
14	Life Cycle Greenhouse Gas Emissions From U.S. Liquefied Natural Gas Exports: Implications for End Uses. <i>Environmental Science & Technology</i> , 2015, 49, 3237-3245.	4.6	69
15	Assessment of policies to reduce core forest fragmentation from Marcellus shale development in Pennsylvania. <i>Ecological Indicators</i> , 2015, 52, 153-160.	2.6	33
16	Availability of Biomass Residues for Co-Firing in Peninsular Malaysia: Implications for Cost and GHG Emissions in the Electricity Sector. <i>Energies</i> , 2014, 7, 804-823.	1.6	36
17	Life cycle consumptive water use for oil shale development and implications for water supply in the Colorado River Basin. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 677-687.	2.2	11
18	Global Bottom-Up Fossil Fuel Fugitive Methane and Ethane Emissions Inventory for Atmospheric Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1992-2001.	3.2	40

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19	Impacts of Variability in Cellulosic Biomass Yields on Energy Security. Environmental Science & Technology, 2014, 48, 7215-7221.	4.6	1
20	Natural Gas Fugitive Emissions Rates Constrained by Global Atmospheric Methane and Ethane. Environmental Science & Technology, 2014, 48, 7714-7722.	4.6	71
21	Addressing uncertainty in life-cycle carbon intensity in a national low-carbon fuel standard. Energy Policy, 2013, 56, 41-50.	4.2	20
22	Implications of changing natural gas prices in the United States electricity sector for SO ₂ , NO _x and life cycle GHG emissions. Environmental Research Letters, 2012, 7, 034018.	2.2	38
23	Uncertainty in Life Cycle Greenhouse Gas Emissions from United States Coal. Energy & Fuels, 2012, 26, 4917-4923.	2.5	43
24	Implications of Near-Term Coal Power Plant Retirement for SO ₂ and NO _x and Life Cycle GHG Emissions. Environmental Science & Technology, 2012, 46, 9838-9845.	4.6	34
25	Life cycle greenhouse gas emissions of Marcellus shale gas. Environmental Research Letters, 2011, 6, 034014.	2.2	250
26	Relevance of Emissions Timing in Biofuel Greenhouse Gases and Climate Impacts. Environmental Science & Technology, 2011, 45, 8197-8203.	4.6	40
27	Policy Implications of Uncertainty in Modeled Life-Cycle Greenhouse Gas Emissions of Biofuels. Environmental Science & Technology, 2011, 45, 132-138.	4.6	103
28	Uncertainty in Life Cycle Greenhouse Gas Emissions from United States Natural Gas End-Uses and its Effects on Policy. Environmental Science & Technology, 2011, 45, 8182-8189.	4.6	103
29	Uncertainty Analysis of Life Cycle Greenhouse Gas Emissions from Petroleum-Based Fuels and Impacts on Low Carbon Fuel Policies. Environmental Science & Technology, 2011, 45, 125-131.	4.6	82
30	Inventory Development and Input-Output Model of U.S. Land Use: Relating Land in Production to Consumption. Environmental Science & Technology, 2011, 45, 4937-4943.	4.6	37
31	Impact of dedicated E85 vehicle use on ozone and particulate matter in the US. Atmospheric Environment, 2011, 45, 7330-7340.	1.9	18
32	Impacts of facility size and location decisions on ethanol production cost. Energy Policy, 2011, 39, 47-56.	4.2	68
33	Life cycle GHG emissions from Malaysian oil palm bioenergy development: The impact on transportation sector's energy security. Energy Policy, 2011, 39, 2615-2625.	4.2	63
34	Estimating national costs, benefits, and potential for cellulosic ethanol production from forest thinnings. Biomass and Bioenergy, 2011, 35, 2133-2142.	2.9	12
35	Indirect land use change and biofuel policy. Environmental Research Letters, 2009, 4, 034008.	2.2	6
36	Can Brazil replace 5% of the 2025 gasoline world demand with ethanol?. Energy, 2009, 34, 655-661.	4.5	170

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37	Economic and Environmental Transportation Effects of Large-Scale Ethanol Production and Distribution in the United States. <i>Environmental Science & Technology</i> , 2009, 43, 2228-2233.	4.6	39
38	Impact of Biofuel Crop Production on the Formation of Hypoxia in the Gulf of Mexico. <i>Environmental Science & Technology</i> , 2009, 43, 7985-7991.	4.6	90
39	Life Cycle Inventory of CO ₂ in an Enhanced Oil Recovery System. <i>Environmental Science & Technology</i> , 2009, 43, 8027-8032.	4.6	120
40	Comparative Analysis of the Production Costs and Life-Cycle GHG Emissions of FT Liquid Fuels from Coal and Natural Gas. <i>Environmental Science & Technology</i> , 2008, 42, 7559-7565.	4.6	70
41	National-Level Infrastructure and Economic Effects of Switchgrass Cofiring with Coal in Existing Power Plants for Carbon Mitigation. <i>Environmental Science & Technology</i> , 2008, 42, 3501-3507.	4.6	9
42	Alternative Transportation Fuels: Distribution Infrastructure for Hydrogen and Ethanol in Iowa. <i>Journal of Infrastructure Systems</i> , 2008, 14, 262-271.	1.0	15
43	Comparative Life-Cycle Air Emissions of Coal, Domestic Natural Gas, LNG, and SNG for Electricity Generation. <i>Environmental Science & Technology</i> , 2007, 41, 6290-6296.	4.6	286
44	State-Level Infrastructure and Economic Effects of Switchgrass Cofiring with Coal in Existing Power Plants for Carbon Mitigation. <i>Environmental Science & Technology</i> , 2007, 41, 6657-6662.	4.6	4
45	Modeling Switchgrass Derived Cellulosic Ethanol Distribution in the United States. <i>Environmental Science & Technology</i> , 2006, 40, 2877-2886.	4.6	71
46	ECOLOGY: Managing Soil Carbon. <i>Science</i> , 2004, 304, 393-393.	6.0	279
47	Alternative transport fuels for the future. <i>International Journal of Vehicle Design</i> , 2004, 35, 27.	0.1	27
48	Structural analysis of Bacillus licheniformis 86 surfactant. <i>Journal of Industrial Microbiology</i> , 1991, 7, 45-52.	0.9	52
49	Isolation and characterization of a surfactant produced by Bacillus licheniformis 86. <i>Journal of Industrial Microbiology</i> , 1990, 6, 243-248.	0.9	67