# Lisa M Colosi

List of Publications by Year
in descending order

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|---|---|---|---|
| 56 papers | 2,955 citations | 257101 24 h-index | 168136 53 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 3430 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tracking Klebsiella pneumoniae carbapenemase gene as an indicator of antimicrobial resistance dissemination from a hospital to surface water via a municipal wastewater treatment plant. Water Research, 2022, 213, 118151. | 5.3 | 25 |
| 2 | Capture or curtail: The potential and performance of direct air capture powered through excess renewable electricity. Energy Conversion and Management: X, 2022, 15, 100230. | 0.9 | 4 |
| 3 | Building-Level Wastewater Surveillance for SARS-CoV-2 in Occupied University Dormitories as an Outbreak Forecasting Tool: One Year Case Study. ACS ES&T Water, 2022, 2, 2094-2104. | 2.3 | 10 |
| 4 | Accounting for the role of transport and storage infrastructure costs in carbon negative bioenergy deployment. , 2021, 11, 144-164. | | 8 |
| 5 | The case for estimating carbon return on investment (CROI) for CCUS platforms. Applied Energy, 2021, 285, 116394. | 5.1 | 27 |
| 6 | Development of Wastewater Pooled Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) from Congregate Living Settings. Applied and Environmental Microbiology, 2021, 87, e0043321. | 1.4 | 47 |
| 7 | The levelized cost of negative CO2 emissions from thermochemical conversion of biomass coupled with carbon capture and storage. Energy Conversion and Management, 2021, 237, 114115. | 4.4 | 38 |
| 8 | Algae-mediated treatment offers apparent removal of a model antibiotic resistance gene. Algal Research, 2021, 60, 102540. | 2.4 | 4 |
| 9 | Is hydrothermal treatment coupled with carbon capture and storage an energy-producing negative emissions technology?. Energy Conversion and Management, 2020, 203, 112252. | 4.4 | 66 |
| 10 | Slow pyrolysis as a platform for negative emissions technology: An integration of machine learning models, life cycle assessment, and economic analysis. Energy Conversion and Management, 2020, 223, 113258. | 4.4 | 119 |
| 11 | Is aquatic bioenergy with carbon capture and storage a sustainable negative emission technology? Insights from a spatially explicit environmental life-cycle assessment. Energy Conversion and Management, 2020, 224, 113300. | 4.4 | 31 |
| 12 | Potable Reuse of Coalbed Methane-Produced Waters in Developing Country Contextsâ€"Could the Benefits Outweigh the Costs to Facilitate Coal Transitions?. Energies, 2020, 13, 154. | 1.6 | 2 |
| 13 | Evaluating the efficacy of an algae-based treatment to mitigate elicitation of antibiotic resistance. Chemosphere, 2019, 237, 124421. | 4.2 | 18 |
| 14 | Life cycle analysis of power cycle configurations in bioenergy with carbon capture and storage. Procedia CIRP, 2019, 80, 340-345. | 1.0 | 9 |
| 15 | Attenuation, transport, and management of estrogens: A review. Chemosphere, 2019, 230, 462-478. | 4.2 | 54 |
| 16 | Evaluating the Impacts of ACP Management on the Energy Performance of Hydrothermal Liquefaction via Nutrient Recovery. Energies, 2019, 12, 729. | 1.6 | 8 |
| 17 | Waterâ€"energy sustainability synergies and health benefits as means to motivate potable reuse of coalbed methane-produced waters. Ambio, 2019, 48, 752-768. | 2.8 | 8 |
| 18 | Evaluating the Water Quality Impacts of Hydrothermal Liquefaction Assessment of Carbon, Nitrogen, and Energy Recovery. Bioresource Technology Reports, 2018, 2, 115-120. | 1.5 | 18 |

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| 19 | Economic evaluation of algae biodiesel based on meta-analyses. International Journal of Sustainable Energy, 2017, 36, 682-694. | 1.3 | 12 |
| 20 | Anaerobic Digestion of Algae Biomass to Produce Energy during Wastewater Treatment. Water Environment Research, 2016, 88, 29-39. | 1.3 | 18 |
| 21 | Reevaluation of the global warming impacts of algae-derived biofuels to account for possible contributions of nitrous oxide. Bioresource Technology, 2016, 218, 196-201. | 4.8 | 22 |
| 22 | Risk Analysis of Biofuels Industry for Aviation with Scenarioâ€Based Expert Elicitation. Systems Engineering, 2015, 18, 178-191. | 1.6 | 36 |
| 23 | Life Cycle Assessment of Biofuels from Algae Hydrothermal Liquefaction: The Upstream and Downstream Factors Affecting Regulatory Compliance. Energy & Fuels, 2015, 29, 1653-1661. | 2.5 | 58 |
| 24 | Assessing the energy and environmental performance of algae-mediated tertiary treatment of estrogenic compounds. Environmental Sciences: Processes and Impacts, 2015, 17, 421-428. | 1.7 | 13 |
| 25 | Evaluating Removal of Steroid Estrogens by a Model Alga as a Possible Sustainability Benefit of Hypothetical Integrated Algae Cultivation and Wastewater Treatment Systems. ACS Sustainable Chemistry and Engineering, 2014, 2, 2544-2553. | 3.2 | 80 |
| 26 | Pilot-scale data provide enhanced estimates of the life cycle energy and emissions profile of algae biofuels produced via hydrothermal liquefaction. Bioresource Technology, 2013, 148, 163-171. | 4.8 | 215 |
| 27 | Practical ambiguities during calculation of energy ratios and their impacts on life cycle assessment calculations. Energy Policy, 2013, 57, 630-633. | 4.2 | 38 |
| 28 | Effects of sorption kinetics on the fate and transport of pharmaceuticals in estuaries. Chemosphere, 2013, 92, 1001-1009. | 4.2 | 14 |
| 29 | Environmental and economic assessment of integrated systems for dairy manure treatment coupled with algae bioenergy production. Bioresource Technology, 2013, 130, 486-494. | 4.8 | 51 |
| 30 | Life Cycle Assessment of Algae-to-Energy Systems. , 2013, , 759-778. | | 2 |
| 31 | Transformation and Removal of Tetrabromobisphenol A from Water in the Presence of Natural Organic Matter via Laccase-Catalyzed Reactions: Reaction Rates, Products, and Pathways. Environmental Science & Technology, 2013, 47, 1001-1008. | 4.6 | 107 |
| 32 | Evaluating the Sustainability of Ceramic Filters for Point-of-Use Drinking Water Treatment. Environmental Science & Technology, 2013, 47, 11206-11213. | 4.6 | 82 |
| 33 | What are we missing by focusing on algae biodiesel?. Biofuels, 2013, 4, 591-593. | 1.4 | 2 |
| 34 | Evaluation of a Prediction Model for Influent Pharmaceutical Concentrations. Journal of Environmental Engineering, ASCE, 2013, 139, 1017-1021. | 0.7 | 4 |
| 35 | Will algae produce the green? Using published life cycle assessments as a starting point for economic evaluation of future algae-to-energy systems. Biofuels, 2012, 3, 129-142. | 1.4 | 14 |
| 36 | Comparison of algae cultivation methods for bioenergy production using a combined life cycle assessment and life cycle costing approach. Bioresource Technology, 2012, 126, 298-306. | 4.8 | 111 |

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|---|---|---|---|
| 37 | Predicting EDC concentrations in a river mixing zone. Chemosphere, 2012, 87, 1111-1118. | 4.2 | 10 |
| 38 | Fate and transport of atorvastatin and simvastatin drugs during conventional wastewater treatment. Chemosphere, 2012, 88, 1184-1189. | 4.2 | 42 |
| 39 | Algae biodiesel has potential despite inconclusive results to date. Bioresource Technology, 2012, 104, 803-806. | 4.8 | 104 |
| 40 | Molecular similarity analysis as tool to prioritize research among emerging contaminants in the environment. Separation and Purification Technology, 2012, 84, 22-28. | 3.9 | 4 |
| 41 | Response to Comment on â€œEnvironmental Life Cycle Comparison of Algae to Other Bioenergy Feedstocksâ€• Environmental Science & Technology, 2011, 45, 834-834. | 4.6 | 9 |
| 42 | Environmental Impacts of Algae-Derived Biodiesel and Bioelectricity for Transportation. Environmental Science & Technology, 2011, 45, 7554-7560. | 4.6 | 192 |
| 43 | Understanding Ligninase-Mediated Reactions of Endocrine Disrupting Chemicals in Water: Reaction Rates and Quantitative Structureâ€“Activity Relationships. Environmental Science & Technology, 2011, 45, 5966-5972. | 4.6 | 7 |
| 44 | Peroxidase-mediated removal of endocrine disrupting compound mixtures from water. Chemosphere, 2011, 85, 553-557. | 4.2 | 23 |
| 45 | Assessment of Estrogenicity and Estrogenicity Drivers in a WWTP Mixing Zone. , 2010, , . | | 1 |
| 46 | Development and Application of a Model to Estimate Wastewater Treatment Plant Prescription Pharmaceutical Influent Loadings and Concentrations. Bulletin of Environmental Contamination and Toxicology, 2010, 84, 507-512. | 1.3 | 34 |
| 47 | QSAR-assisted design of an environmental catalyst for enhanced estrogen remediation. Chemosphere, 2010, 81, 897-903. | 4.2 | 12 |
| 48 | Sorption of Statin Pharmaceuticals to Wastewater-Treatment Biosolids, Terrestrial Soils, and Freshwater Sediment. Journal of Environmental Engineering, ASCE, 2010, 136, 256-264. | 0.7 | 15 |
| 49 | Response to Comment on â€œEnvironmental Life Cycle Comparison of Algae to Other Bioenergy Feedstocksâ€• Environmental Science & Technology, 2010, 44, 3643-3643. | 4.6 | 5 |
| 50 | Environmental Life Cycle Comparison of Algae to Other Bioenergy Feedstocks. Environmental Science & Technology, 2010, 44, 1813-1819. | 4.6 | 944 |
| 51 | Putting algaeâ€™s promise into perspective. Biofuels, 2010, 1, 805-808. | 1.4 | 9 |
| 52 | Generation of Branched-Chain Fatty Acids through Lipoate-Dependent Metabolism Facilitates Intracellular Growth of Listeria monocytogenes. Journal of Bacteriology, 2009, 191, 2187-2196. | 1.0 | 27 |
| 53 | Peroxidaseâ€mediated degradation of perfluorooctanoic acid. Environmental Toxicology and Chemistry, 2009, 28, 264-271. | 2.2 | 47 |
| 54 | Peroxidase-Mediated Removal of a Polychlorinated Biphenyl Using Natural Organic Matter as the Sole Cosubstrate. Environmental Science & Technology, 2007, 41, 891-896. | 4.6 | 42 |

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|---|---|---|---|
| 55 | Validation of a twoâ€parameter quantitative structureâ€“activity relationship as a legitimate tool for rational reâ€design of horseradish peroxidase. Biotechnology and Bioengineering, 2007, 98, 295-299. | 1.7 | 6 |
| 56 | Quantitative Structureâ^'Activity Relationship Based Quantification of the Impacts of Enzymeâ^'Substrate Binding on Rates of Peroxidase-Mediated Reactions of Estrogenic Phenolic Chemicals. Journal of the American Chemical Society, 2006, 128, 4041-4047. | 6.6 | 47 |