

Kevin H Gardner

List of Publications by Year in descending order

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59
papers

1,773
citations

279798

23
h-index

276875

41
g-index

60
all docs

60
docs citations

60
times ranked

2369
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in fractal dimension during aggregation. <i>Water Research</i> , 2003, 37, 873-883.	11.3	242
2	Examining Walkability and Social Capital as Indicators of Quality of Life at the Municipal and Neighborhood Scales. <i>Applied Research in Quality of Life</i> , 2011, 6, 201-213.	2.4	154
3	Impacts of natural weathering on the transformation/neof ormation processes in landfilled MSWI bottom ash: A geoenvironmental perspective. <i>Waste Management</i> , 2011, 31, 2440-2454.	7.4	84
4	Social Capital and Walkability as Social Aspects of Sustainability. <i>Sustainability</i> , 2013, 5, 3473-3483.	3.2	81
5	Environmental assessment of ash disposal. <i>Critical Reviews in Environmental Control</i> , 1990, 20, 21-42.	0.7	78
6	Uptake of polycyclic aromatic hydrocarbons (PAHs) in salt marsh plants <i>Spartina alterniflora</i> grown in contaminated sediments. <i>Chemosphere</i> , 2006, 62, 1253-1260.	8.2	78
7	Application of Multicriteria Decision Analysis Tools to Two Contaminated Sediment Case Studies. <i>Integrated Environmental Assessment and Management</i> , 2007, 3, 223.	2.9	74
8	Simultaneous Application of Dissolution/Precipitation and Surface Complexation/Surface Precipitation Modeling to Contaminant Leaching. <i>Environmental Science & Technology</i> , 2005, 39, 5736-5741.	10.0	72
9	Properties of Portland cement made from contaminated sediments. <i>Resources, Conservation and Recycling</i> , 2004, 41, 227-241.	10.8	68
10	Cradle-to-grave greenhouse gas emissions from dams in the United States of America. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 945-956.	16.4	61
11	A multiscale approach to balance trade-offs among dam infrastructure, river restoration, and cost. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12069-12074.	7.1	59
12	Complexity in Built Environment, Health, and Destination Walking: A Neighborhood-Scale Analysis. <i>Journal of Urban Health</i> , 2012, 89, 270-284.	3.6	57
13	Life Cycle Assessment of End-of-Life Management Options for Construction and Demolition Debris. <i>Journal of Industrial Ecology</i> , 2013, 17, 396-406.	5.5	37
14	Clay Swelling and Formation Permeability Reductions Induced by a Nonionic Surfactant. <i>Environmental Science & Technology</i> , 2000, 34, 160-166.	10.0	35
15	Long-term performance of aged waste forms treated by stabilization/solidification. <i>Journal of Hazardous Materials</i> , 2010, 181, 65-73.	12.4	32
16	Comparative Life Cycle Assessment (LCA) of Construction and Demolition (C&D) Derived Biomass and U.S. Northeast Forest Residuals Gasification for Electricity Production. <i>Environmental Science & Technology</i> , 2013, 47, 3463-3471.	10.0	32
17	Chemistry of the heavily urbanized Bagmati River system in Kathmandu Valley, Nepal: export of organic matter, nutrients, major ions, silica, and metals. <i>Environmental Earth Sciences</i> , 2014, 71, 911-922.	2.7	32
18	Attributional life cycle assessment (ALCA) of polyitaconic acid production from northeast US softwood biomass. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 603-612.	4.7	29

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19	A Unified Kinetic Model for Particle Aggregation. <i>Journal of Colloid and Interface Science</i> , 1996, 180, 162-173.	9.4	27
20	In situ analysis of flocs. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2007, 56, 1-11.	1.4	26
21	Decentralized water collection systems for households and communities: Household preferences in Atlanta and Boston. <i>Water Research</i> , 2019, 167, 115134.	11.3	26
22	Modeling hydrology and reactive transport in roads: The effect of cracks, the edge, and contaminant properties. <i>Waste Management</i> , 2007, 27, 1465-1475.	7.4	25
23	Dechlorination of polychlorinated biphenyls, naphthalenes and dibenzo-p-dioxins by magnesium/palladium bimetallic particles. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 685-695.	1.7	23
24	Use of Industrial By-Products in Urban Roadway Infrastructure. <i>Journal of Industrial Ecology</i> , 2009, 13, 965-977.	5.5	23
25	A coupled terrestrial and aquatic biogeophysical model of the Upper Merrimack River watershed, New Hampshire, to inform ecosystem services evaluation and management under climate and land-cover change. <i>Ecology and Society</i> , 2017, 22, .	2.3	22
26	Evaluating core competencies and learning outcomes for training the next generation of sustainability researchers. <i>Sustainability Science</i> , 2020, 15, 619-631.	4.9	20
27	Probabilistic Modeling of One-Dimensional Water Movement and Leaching from Highway Embankments Containing Secondary Materials. <i>Environmental Engineering Science</i> , 2005, 22, 156-169.	1.6	19
28	Influences of water quality and climate on the water-energy nexus: A spatial comparison of two water systems. <i>Journal of Environmental Management</i> , 2018, 218, 613-621.	7.8	19
29	Leaching behavior of estuarine sediments and cement-stabilized sediments in upland management environments. <i>Waste Management</i> , 2007, 27, 1648-1654.	7.4	18
30	Variation in DOC and trace metal concentration along the heavily urbanized basin in Kathmandu Valley, Nepal. <i>Environmental Geology</i> , 2009, 58, 867-876.	1.2	17
31	Evaluation of Activated Carbon as a Reactive Cap Sorbent for Sequestration of Polychlorinated Biphenyls in the Presence of Humic Acid. <i>Environmental Engineering Science</i> , 2009, 26, 1371-1379.	1.6	15
32	The significance of shear stress in the agglomeration kinetics of fractal aggregates. <i>Water Research</i> , 1998, 32, 2660-2668.	11.3	14
33	Environmental Implications and Costs of Municipal Solid Waste-Derived Ethylene. <i>Journal of Industrial Ecology</i> , 2013, 17, 912-925.	5.5	14
34	Deliberative multiattribute valuation of ecosystem services across a range of regional land-use, socioeconomic, and climate scenarios for the upper Merrimack River watershed, New Hampshire, USA. <i>Ecology and Society</i> , 2019, 24, .	2.3	14
35	Soil and Atmospheric Inputs to PAH Concentrations in Salt Marsh Plants. <i>Water, Air, and Soil Pollution</i> , 2008, 189, 253-263.	2.4	12
36	Measuring community sustainability: exploring the intersection of the built environment & social capital with a participatory case study. <i>Journal of Environmental Studies and Sciences</i> , 2012, 2, 143-153.	2.0	12

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37	Waste-to-Materials: The Longterm Option. <i>Green Energy and Technology</i> , 2012, , 1-26.	0.6	11
38	UAV and Structure-From-Motion Photogrammetry Enhance River Restoration Monitoring: A Dam Removal Study. <i>Drones</i> , 2022, 6, 100.	4.9	10
39	Leaching Properties of Estuarine Harbor Sediment before and after Electrodialytic Remediation. <i>Environmental Engineering Science</i> , 2007, 24, 424-433.	1.6	9
40	Mechanisms for the aging-induced reduction of lead solubility in scrubber residues from municipal solid waste combustion. <i>Waste Management and Research</i> , 2002, 20, 90-98.	3.9	8
41	Spatial variations in chemical compositions along Langtangâ€“Narayani river system in central Nepal. <i>Environmental Geology</i> , 2009, 57, 557-569.	1.2	8
42	Comparison of properties of traditional and accelerated carbonated solidified/stabilized contaminated soils. <i>Journal of Environmental Sciences</i> , 2008, 20, 593-598.	6.1	7
43	Sustainable and Resilient Design of Interdependent Water and Energy Systems: A Conceptual Modeling Framework for Tackling Complexities at the Infrastructure-Human-Resource Nexus. <i>Sustainability</i> , 2018, 10, 1845.	3.2	7
44	Itâ€™ll be dammed! Public preferences regarding dam removal in New Hampshire. <i>Elementa</i> , 2020, 8, .	3.2	7
45	An Experimental and Analytical Approach to Understanding the Dynamic Leaching from Municipal Solid Waste Combustion Residue. <i>Environmental Engineering Science</i> , 2002, 19, 89-100.	1.6	6
46	Effect of Humic Acid on Adsorption of Polychlorinated Biphenyls onto Organoclay. <i>Environmental Engineering Science</i> , 2009, 26, 1279-1287.	1.6	6
47	Chromium Leaching from a Silicone Foam-Encapsulated Mixed Waste Surrogate. <i>Environmental Science & Technology</i> , 2000, 34, 455-460.	10.0	5
48	A probabilistic source assessment framework for leaching from secondary materials in highway applications. <i>Clean Technologies and Environmental Policy</i> , 2003, 5, 120-127.	4.1	5
49	The Importance of the â€œLocalâ€•in Walkability. <i>Buildings</i> , 2015, 5, 1187-1206.	3.1	5
50	Size-dependent enrichment of waste slag aggregate fragments abraded from asphalt concrete. <i>Journal of Hazardous Materials</i> , 2011, 194, 209-215.	12.4	4
51	A Regional Analysis of the Life Cycle Environmental and Economic Tradeoffs of Different Economic Growth Paths. <i>Sustainability</i> , 2018, 10, 542.	3.2	4
52	Pilot-scale evaluation of an in situ amendment delivery and mixing device for contaminated sediment remediation applications. <i>Journal of Soils and Sediments</i> , 2015, 15, 480-489.	3.0	3
53	Sustainable Infrastructure in Conflict Zones: Police Facilitiesâ€™ Impact on Perception of Safety in Afghan Communities. <i>Sustainability</i> , 2019, 11, 2113.	3.2	3
54	Exploring the utility of small unmanned aerial system products in remote visual stream ecological assessment. <i>Restoration Ecology</i> , 2020, 28, 1431-1444.	2.9	3

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55	A Spatial Life Cycle Cost Comparison of Residential Greywater and Rainwater Harvesting Systems. Environmental Engineering Science, 2021, 38, 715-728.	1.6	3
56	A Review of Roadway Water Movement for Beneficial Use of Recycled Materials. , 0, , 241-269.		1
57	A dynamic approach to the assessment of leaching behavior. Waste Management Series, 2000, 1, 927-939.	0.0	0
58	The recycled materials resource center: a new partnership promoting the wise use of recycled materials in the highway environment. Waste Management Series, 2000, 1, 1008-1013.	0.0	0
59	Use of industrial by-products in urban transportation infrastructure: argument for increased industrial symbiosis. , 2008, , .		0