

Kevin H Gardner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4238188/publications.pdf>

Version: 2024-02-01

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	UAV and Structure-From-Motion Photogrammetry Enhance River Restoration Monitoring: A Dam Removal Study. <i>Drones</i> , 2022, 6, 100.	4.9	10
2	A Spatial Life Cycle Cost Comparison of Residential Greywater and Rainwater Harvesting Systems. <i>Environmental Engineering Science</i> , 2021, 38, 715-728.	1.6	3
3	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
4	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
5	“I’ll be dammed! Public preferences regarding dam removal in New Hampshire. <i>Elementa</i> , 2020, 8, .	3.2	7
6	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
7	Decentralized water collection systems for households and communities: Household preferences in Atlanta and Boston. <i>Water Research</i> , 2019, 167, 115134.	11.3	26
8	Sustainable Infrastructure in Conflict Zones: Police Facilities’ Impact on Perception of Safety in Afghan Communities. <i>Sustainability</i> , 2019, 11, 2113.	3.2	3
9	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
10	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
11	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
12	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
13	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
14	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
15	The Importance of the “Local” in Walkability. <i>Buildings</i> , 2015, 5, 1187-1206.	3.1	5
16	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
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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Environmental Implications and Costs of Municipal Solid Waste-Derived Ethylene. <i>Journal of Industrial Ecology</i> , 2013, 17, 912-925.	5.5	14
22	Social Capital and Walkability as Social Aspects of Sustainability. <i>Sustainability</i> , 2013, 5, 3473-3483.	3.2	81
23	Waste-to-Materials: The Longterm Option. <i>Green Energy and Technology</i> , 2012, , 1-26.	0.6	11
24	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
25	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
26	Impacts of natural weathering on the transformation/neoformation processes in landfilled MSWI bottom ash: A geoenvironmental perspective. <i>Waste Management</i> , 2011, 31, 2440-2454.	7.4	84
27	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
28	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
29	Long-term performance of aged waste forms treated by stabilization/solidification. <i>Journal of Hazardous Materials</i> , 2010, 181, 65-73.	12.4	32
30	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
31	Effect of Humic Acid on Adsorption of Polychlorinated Biphenyls onto Organoclay. <i>Environmental Engineering Science</i> , 2009, 26, 1279-1287.	1.6	6
32	Spatial variations in chemical compositions along Langtang-Narayani river system in central Nepal. <i>Environmental Geology</i> , 2009, 57, 557-569.	1.2	8
33	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
34	Use of Industrial By-Products in Urban Roadway Infrastructure. <i>Journal of Industrial Ecology</i> , 2009, 13, 965-977.	5.5	23
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	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

#	ARTICLE	IF	CITATIONS
37	Use of industrial by-products in urban transportation infrastructure: argument for increased industrial symbiosis. , 2008, , .		0
38	Leaching Properties of Estuarine Harbor Sediment before and after Electrodialytic Remediation. Environmental Engineering Science, 2007, 24, 424-433.	1.6	9
39	In situ analysis of flocs. Journal of Water Supply: Research and Technology - AQUA, 2007, 56, 1-11.	1.4	26
40	Dechlorination of polychlorinated biphenyls, naphthalenes and dibenzo-p-dioxins by magnesium/palladium bimetallic particles. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 685-695.	1.7	23
41	Leaching behavior of estuarine sediments and cement-stabilized sediments in upland management environments. Waste Management, 2007, 27, 1648-1654.	7.4	18
42	Modeling hydrology and reactive transport in roads: The effect of cracks, the edge, and contaminant properties. Waste Management, 2007, 27, 1465-1475.	7.4	25
43	Application of Multicriteria Decision Analysis Tools to Two Contaminated Sediment Case Studies. Integrated Environmental Assessment and Management, 2007, 3, 223.	2.9	74
44	Uptake of polycyclic aromatic hydrocarbons (PAHs) in salt marsh plants <i>Spartina alterniflora</i> grown in contaminated sediments. Chemosphere, 2006, 62, 1253-1260.	8.2	78
45	Probabilistic Modeling of One-Dimensional Water Movement and Leaching from Highway Embankments Containing Secondary Materials. Environmental Engineering Science, 2005, 22, 156-169.	1.6	19
46	Simultaneous Application of Dissolution/Precipitation and Surface Complexation/Surface Precipitation Modeling to Contaminant Leaching. Environmental Science & Technology, 2005, 39, 5736-5741.	10.0	72
47	Properties of Portland cement made from contaminated sediments. Resources, Conservation and Recycling, 2004, 41, 227-241.	10.8	68
48	A probabilistic source assessment framework for leaching from secondary materials in highway applications. Clean Technologies and Environmental Policy, 2003, 5, 120-127.	4.1	5
49	Changes in fractal dimension during aggregation. Water Research, 2003, 37, 873-883.	11.3	242
50	An Experimental and Analytical Approach to Understanding the Dynamic Leaching from Municipal Solid Waste Combustion Residue. Environmental Engineering Science, 2002, 19, 89-100.	1.6	6
51	Mechanisms for the aging-induced reduction of lead solubility in scrubber residues from municipal solid waste combustion. Waste Management and Research, 2002, 20, 90-98.	3.9	8
52	A dynamic approach to the assessment of leaching behavior. Waste Management Series, 2000, 1, 927-939.	0.0	0
53	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
54	Clay Swelling and Formation Permeability Reductions Induced by a Nonionic Surfactant. Environmental Science & Technology, 2000, 34, 160-166.	10.0	35

#	ARTICLE	IF	CITATIONS
55	Chromium Leaching from a Silicone Foam-Encapsulated Mixed Waste Surrogate. Environmental Science & Technology, 2000, 34, 455-460.	10.0	5
56	The significance of shear stress in the agglomeration kinetics of fractal aggregates. Water Research, 1998, 32, 2660-2668.	11.3	14
57	A Unified Kinetic Model for Particle Aggregation. Journal of Colloid and Interface Science, 1996, 180, 162-173.	9.4	27
58	Environmental assessment of ash disposal. Critical Reviews in Environmental Control, 1990, 20, 21-42.	0.7	78
59	A Review of Roadway Water Movement for Beneficial Use of Recycled Materials. , 0, , 241-269.		1