Brian W Bush

List of Publications by Year
in descending order

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45	1,001	430874	454955
papers	citations	18 h-index	30 g-index

52	52	52	716
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the value of electric vehicle managed charging: a review of methodologies and results. Energy and Environmental Science, 2022, 15, 466-498.	30.8	39
2	Learning and Tracking Ad Hoc Fiducial Markers in Spatial Augmented Reality. , 2021, , 565-587.		0
3	Exploring the future energy-mobility nexus: The transportation energy & mobility pathway options (TEMPO) model. Transportation Research, Part D: Transport and Environment, 2021, 98, 102967.	6.8	11
4	Future integrated mobility-energy systems: A modeling perspective. Renewable and Sustainable Energy Reviews, 2020, 119, 109541.	16.4	32
5	A technique for generating supply and demand curves from system dynamics models. System Dynamics Review, 2020, 36, 373-384.	1.9	3
6	Enabling immersive engagement in energy system models with deep learning. Statistical Analysis and Data Mining, 2019, 12, 325-337.	2.8	6
7	Lessons from a largeâ€scale systems dynamics modeling project: the example of the biomass scenario model. System Dynamics Review, 2019, 35, 55-69.	1.9	11
8	Potential Energy Implications of Connected and Automated Vehicles: Exploring Key Leverage Points through Scenario Screening and Analysis. Transportation Research Record, 2019, 2673, 84-94.	1.9	4
9	Modeling Hydrogen Refueling Infrastructure to Support Passenger Vehicles â€. Energies, 2018, 11, 1171.	3.1	32
10	Understanding the life cycle surface land requirements of natural gas-fired electricity. Nature Energy, 2017, 2, 804-812.	39.5	30
11	Coupling visualization, simulation, and deep learning for ensemble steering of complex energy models. , 2017, , .		4
12	Application of a varianceâ€based sensitivity analysis method to the Biomass Scenario Learning Model. System Dynamics Review, 2017, 33, 311-335.	1.9	13
13	Simulation exploration through immersive parallel planes. , 2016, , .		11
14	Maturation of biomassâ€toâ€biofuels conversion technology pathways for rapid expansion of biofuels production: a system dynamics perspective. Biofuels, Bioproducts and Biorefining, 2015, 9, 158-176.	3.7	21
15	A case study to examine the imputation of missing data to improve clustering analysis of building electrical demand. Building Services Engineering Research and Technology, 2015, 36, 628-637.	1.8	10
16	Potential leverage points for development of the cellulosic ethanol industry supply chain. Biofuels, 2015, 6, 21-29.	2.4	16
17	Growing a sustainable biofuels industry: economics, environmental considerations, and the role of the Conservation Reserve Program. Environmental Research Letters, 2013, 8, 025016.	5.2	23
18	Modeling biofuel expansion effects on land use change dynamics. Environmental Research Letters, 2013, 8, 015003.	5.2	31

#	Article	IF	Citations
19	Measuring the uncertainties of pandemic influenza. International Journal of Risk Assessment and Management, 2012, 16, 1.	0.1	6
20	Ethanol Distribution, Dispensing, and Use: Analysis of a Portion of the Biomass-to-Biofuels Supply Chain Using System Dynamics. PLoS ONE, 2012, 7, e35082.	2.5	32
21	Analytic science for geospatial and temporal variability in renewable energy: A case study in estimating photovoltaic output in Arizona. Solar Energy, 2011, 85, 1945-1956.	6.1	4
22	Using system dynamics to model the transition to biofuels in the United States. , 2008, , .		16
23	Graph Visualization for the Analysis of the Structure and Dynamics of Extreme-Scale Supercomputers. Information Visualization, 2004, 3, 209-222.	1.9	4
24	Unified approach to fuzzy graph problems. Fuzzy Sets and Systems, 2002, 125, 355-368.	2.7	82
25	Classical hadrodynamics: A new approach to ultrarelativistic heavy-ion collisions. Nuclear Physics A, 1995, 583, 705-710.	1.5	0
26	Classical Hadrodynamics: Foundations of the Theory. Annals of Physics, 1993, 227, 97-150.	2.8	5
27	Classical hadrodynamics: application to soft nucleon-nucleon collisions. Nuclear Physics A, 1993, 560, 586-602.	1.5	1
28	Nuclear level densities in the static-path approximation: (II). Spin dependence. Nuclear Physics A, 1993, 565, 399-426.	1.5	19
29	Shape diffusion in the shell model. Physical Review C, 1992, 45, 1709-1719.	2.9	31
30	The systematics of the Landau theory of hot rotating nuclei. Nuclear Physics A, 1992, 549, 12-42.	1.5	13
31	Nuclear level densities in the static-path approximation: (I). A solvable model. Nuclear Physics A, 1992, 549, 43-58.	1.5	42
32	Time-dependent fluctuations and the giant dipole resonance in hot nuclei: Solvable models. Nuclear Physics A, 1991, 531, 1-26.	1.5	18
33	On the width of the giant dipole resonance in deformed nuclei. Nuclear Physics A, 1991, 531, 27-38.	1.5	39
34	Effects of orientation fluctuations on the angular distribution of the giant dipole resonance Î³-rays in hot rotating nuclei. Nuclear Physics A, 1991, 531, 39-62.	1.5	33
35	Effects of thermal fluctuations on giant dipole resonances in hot rotating nuclei. Nuclear Physics A, 1990, 509, 461-498.	1.5	85
36	Time-dependent shape fluctuations and the giant dipole resonance in hot nuclei: Realistic calculations. Nuclear Physics A, 1990, 514, 434-460.	1.5	21

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37	Orientation fluctuations and the angular distribution of the giant-dipole-resonance Î³ rays in hot rotating nuclei. Physical Review Letters, 1990, 65, 2527-2530.	7.8	71
38	Stochastic approach to giant dipole resonances in hot rotating nuclei. Physical Review Letters, 1989, 63, 2452-2455.	7.8	37
39	Initial Smoke Distribution for Nuclear Winter Calculations. Aerosol Science and Technology, 1989, 10, 37-50.	3.1	3
40	Landau theory of shapes, shape fluctuations and giant dipole resonances in hot nuclei. Nuclear Physics A, 1988, 482, 57-64.	1.5	6
41	Thermal Shape Fluctuations, Landau Theory, and Giant Dipole Resonances in Hot Rotating Nuclei. Physical Review Letters, 1988, 61, 1926-1929.	7.8	88
42	A Note on the Ignition of Vegetation by Nuclear Weapons. Combustion Science and Technology, 1987, 52, 25-38.	2.3	2
43	Smoke Production from Multiple Nuclear Explosions in Nonurban Areas. Science, 1985, 229, 465-469.	12.6	18
44	Understanding the Developing Cellulosic Biofuels Industry through Dynamic Modeling. , 0, , .		8
45	Simulation process and data flow for a large system dynamics model. Simulation, 0, , 003754972210933.	1.8	2