

Levente J Klein

List of Publications by Year in descending order

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47
papers

1,408
citations

394421

19
h-index

377865

34
g-index

48
all docs

48
docs citations

48
times ranked

1581
citing authors

#	ARTICLE	IF	CITATIONS
1	AutoGeoLabel: Automated Label Generation for Geospatial Machine Learning. , 2021, , .		5
2	Change Detection from Remote Sensing to Guide OpenStreetMap Labeling. ISPRS International Journal of Geo-Information, 2020, 9, 427.	2.9	10
3	Next-generation geospatial-temporal information technologies for disaster management. IBM Journal of Research and Development, 2020, 64, 5:1-5:12.	3.1	10
4	Field Deployment of a Portable Optical Spectrometer for Methane Fugitive Emissions Monitoring on Oil and Gas Well Pads. Sensors, 2019, 19, 2707.	3.8	22
5	N-dimensional geospatial data and analytics for critical infrastructure risk assessment. , 2019, , .		5
6	Closed Loop Controlled Precision Irrigation Sensor Network. IEEE Internet of Things Journal, 2018, 5, 4580-4588.	8.7	30
7	Wireless Sensor Platform for Cultural Heritage Monitoring and Modeling System. Sensors, 2017, 17, 1998.	3.8	28
8	Drone-based reconstruction for 3D geospatial data processing. , 2016, , .		16
9	IBM PAIRS curated big data service for accelerated geospatial data analytics and discovery. , 2016, , .		22
10	Condensation risk in a partially air side economized data center. , 2016, , .		3
11	Effect of Relative Humidity, Temperature and Gaseous and Particulate Contaminations on Information Technology Equipment Reliability. , 2015, , .		11
12	PAIRS: A scalable geo-spatial data analytics platform. , 2015, , .		46
13	Discrete Control of Air Conditioning Units in Mission Critical Facilities. , 2015, , .		1
14	Energy Efficiency and Air Quality Considerations in Airside Economized Data Centers. , 2015, , .		1
15	Concealable strain sensing method for art preservation. Applied Physics A: Materials Science and Processing, 2014, 115, 829-836.	2.3	1
16	Sustainable data centers powered by renewable energy. , 2012, , .		4
17	Corrosion risk management in IT facilities. , 2012, , .		6
18	Thin-film platinum nanowires as sub-wavelength bolometers. Proceedings of SPIE, 2012, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Sub-wavelength bolometers: Uncooled platinum wires as infrared sensors. Optics Express, 2011, 19, 8721.	3.4	28
20	Humidity Control and Dew Point Management. , 2011, , .		2
21	Pauli spin blockade and lifetime-enhanced transport in a Si/SiGe double quantum dot. Physical Review B, 2010, 82, .	3.2	23
22	Silicon nanowire piezoresistance: Impact of surface crystallographic orientation. Applied Physics Letters, 2010, 97, .	3.3	41
23	A tele-operative RMMT system facilitating the management of cooling and energy in data centers. , 2010, , .		4
24	Sidewall damage in plasma etching of Si/SiGe heterostructures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 836-843.	2.1	6
25	Phonon Transport and Thermoelectricity in Silicon Nanostructures. ECS Transactions, 2009, 16, 983-988.	0.5	1
26	Changing the emission of polarized thermal radiation from metallic nanoheaters. Optics Express, 2009, 17, 17963.	3.4	12
27	Si/SiGe Quantum Devices, Quantum Wells, and Electron-Spin Coherence. Topics in Applied Physics, 2009, , 101-127.	0.8	2
28	Top-gated few-electron double quantum dot in Si/SiGe. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 520-523.	2.7	3
29	Spin blockade and lifetime-enhanced transport in a few-electron Si/SiGe double quantum dot. Nature Physics, 2008, 4, 540-544.	16.7	148
30	Coherence properties of infrared thermal emission from heated metallic nanowires. Applied Physics Letters, 2008, 92, 213102.	3.3	15
31	Thermal radiation spectra of individual subwavelength microheaters. Physical Review B, 2008, 78, .	3.2	24
32	Anisotropic fluorocarbon plasma etching of Si ^δ -SiGe heterostructures. Journal of Vacuum Science & Technology B, 2007, 25, 404.	1.3	4
33	Coulomb blockade and Kondo effect in a few-electron silicon/silicon-germanium quantum dot. Applied Physics Letters, 2007, 90, 033103.	3.3	34
34	Magnetotransport through two dimensional electron gas in a tubular geometry. Applied Physics Letters, 2007, 90, 042101.	3.3	28
35	Enhanced thermal emission from individual antenna-like nanoheaters. Optics Express, 2007, 15, 11249.	3.4	43
36	Single-electron quantum dot in Si ^δ -SiGe with integrated charge sensing. Applied Physics Letters, 2007, 91, .	3.3	72

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37	Controllable valley splitting in silicon quantum devices. <i>Nature Physics</i> , 2007, 3, 41-45.	16.7	218
38	Elastically relaxed free-standing strained-silicon nanomembranes. <i>Nature Materials</i> , 2006, 5, 388-393.	27.5	230
39	Quantum dots and etch-induced depletion of a silicon two-dimensional electron gas. <i>Journal of Applied Physics</i> , 2006, 99, 023509.	2.5	13
40	Quantum dots in Si/SiGe 2DEGs with Schottky top-gated leads. <i>New Journal of Physics</i> , 2005, 7, 246-246.	2.9	28
41	Modeling and experimental investigation of cantilever dynamics in force detected single electron tunneling. <i>Journal of Applied Physics</i> , 2004, 95, 2547-2556.	2.5	6
42	Spin-Based Quantum Dot Quantum Computing in Silicon. <i>Quantum Information Processing</i> , 2004, 3, 133-146.	2.2	83
43	Instability induced tunneling and repeatable charge injection to SiO ₂ surfaces by electrostatic force microscopy. <i>Journal of Applied Physics</i> , 2004, 96, 3328-3333.	2.5	1
44	Coulomb blockade in a silicon/silicon-germanium two-dimensional electron gas quantum dot. <i>Applied Physics Letters</i> , 2004, 84, 4047-4049.	3.3	55
45	Single-electron tunneling to insulator surfaces detected by electrostatic force. <i>Applied Physics Letters</i> , 2002, 81, 4589-4591.	3.3	21
46	Single electron tunneling detected by electrostatic force. <i>Applied Physics Letters</i> , 2001, 79, 1828-1830.	3.3	33
47	Electron tunneling detected by electrostatic force. <i>Applied Physics Letters</i> , 2000, 77, 3615-3617.	3.3	7