

Hanno Gottschalk

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

451
citations

933447

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839539

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38
all docs

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docs citations

38
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	Generative modeling of turbulence. <i>Physics of Fluids</i> , 2022, 34, .	4.0	11
2	YOdar: Uncertainty-based Sensor Fusion for Vehicle Detection with Camera and Radar Sensors. , 2021, , .		11
3	Tracing Locally Pareto-Optimal Points by Numerical Integration. <i>SIAM Journal on Control and Optimization</i> , 2021, 59, 3302-3328.	2.1	4
4	MetaBox+: A New Region based Active Learning Method for Semantic Segmentation using Priority Maps. , 2021, , .		11
5	GivEnâ€™Shape Optimization for Gas Turbines in Volatile Energy Networks. <i>Mathematics in Industry</i> , 2021, , 71-106.	0.3	2
6	An Analytical Study in Multi-physics and Multi-criteria Shape Optimization. <i>Journal of Optimization Theory and Applications</i> , 2021, 189, 486-512.	1.5	4
7	Gradient based biobjective shape optimization to improve reliability and cost of ceramic components. <i>Optimization and Engineering</i> , 2020, 21, 1359-1387.	2.4	5
8	Prediction Error Meta Classification in Semantic Segmentation: Detection via Aggregated Dispersion Measures of Softmax Probabilities. , 2020, , .		28
9	Numerical shape optimization to decrease failure probability of ceramic structures. <i>Computing and Visualization in Science</i> , 2019, 21, 1-10.	1.2	6
10	Shape gradients for the failure probability of a mechanic component under cyclic loading: a discrete adjoint approach. <i>Computational Mechanics</i> , 2019, 64, 895-915.	4.0	5
11	The Ethical Dilemma When (Not) Setting up Cost-Based Decision Rules in Semantic Segmentation. , 2019, , .		6
12	Combined notch and size effect modeling in a local probabilistic approach for LCF. <i>Computational Materials Science</i> , 2018, 142, 377-388.	3.0	57
13	Numerical Shape Optimization to Decrease Failure Probability of Ceramic Structures. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2018, 18, e201800229.	0.2	2
14	Deep Bayesian Active Semi-Supervised Learning. , 2018, , .		8
15	Effect of local anisotropy on fatigue crack initiation in a coarse grained nickel-base superalloy. <i>MATEC Web of Conferences</i> , 2018, 165, 04004.	0.2	13
16	Adjoint Method to Calculate the Shape Gradients of Failure Probabilities for Turbomachinery Components. , 2018, , .		6
17	Probabilistic LCF Risk Evaluation of a Turbine Vane by Combined Size Effect and Notch Support Modeling. , 2017, , .		16
18	Modeling, Minimizing and Managing the Risk of Fatigue for Mechanical Components. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 219-255.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Quantum Fields Obtained from Convolutd Generalized White Noise Never Have Positive Metric. Letters in Mathematical Physics, 2016, 106, 575-581.	1.1	0
20	Probabilistic Schmid factors and scatter of low cycle fatigue (LCF) life. Materialwissenschaft Und Werkstofftechnik, 2015, 46, 156-164.	0.9	8
21	Minimal Failure Probability for Ceramic Design Via Shape Control. Journal of Optimization Theory and Applications, 2015, 166, 983-1001.	1.5	13
22	Optimal Reliability in Design for Fatigue Life. SIAM Journal on Control and Optimization, 2014, 52, 2727-2752.	2.1	11
23	A Triviality Result in the AdS/CFT Correspondence for Euclidean Quantum Fields with Exponential Interaction. Communications in Mathematical Physics, 2013, 324, 63-75.	2.2	2
24	A probabilistic model for LCF. Computational Materials Science, 2013, 79, 584-590.	3.0	45
25	Risk Estimation for LCF Crack Initiation. , 2013, , .		14
26	DYNAMICAL BACKREACTION IN ROBERTSONâ€™WALKER SPACETIME. Reviews in Mathematical Physics, 2011, 23, 531-551.	1.7	19
27	AdS/CFT Correspondence in the Euclidean Context. Communications in Mathematical Physics, 2007, 277, 83-100.	2.2	2
28	Complex velocity transformations and the Bisognanoâ€™Wichmann theorem for quantum fields acting on Krein spaces. Journal of Mathematical Physics, 2002, 43, 4753.	1.1	2
29	SPDEs Leading to Local, Relativistic Quantum Vector Fields with Indefinite Metric and Nontrivial S-Matrix. Lecture Notes in Pure and Applied Mathematics, 2002, , .	0.1	2
30	On the stability of one-particle states generated by quantum fields fulfilling Yangâ€™Feldman equations. Reports on Mathematical Physics, 2001, 47, 241-246.	0.8	2
31	Scattering Theory for Quantum Fields with Indefinite Metric. Communications in Mathematical Physics, 2001, 216, 491-513.	2.2	14
32	Scattering behaviour of quantum vector fields obtained from Euclidean covariant SPDEs. Reports on Mathematical Physics, 1999, 44, 21-28.	0.8	8
33	Models of Local Relativistic Quantum Fields with Indefinite Metric (in All Dimensions). Communications in Mathematical Physics, 1997, 184, 509-531.	2.2	40
34	Nontrivial scattering amplitudes for some local relativistic quantum field models with indefinite metric. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 405, 243-248.	4.1	12
35	CONVOLUTED GENERALIZED WHITE NOISE, SCHWINGER FUNCTIONS AND THEIR ANALYTIC CONTINUATION TO WIGHTMAN FUNCTIONS. Reviews in Mathematical Physics, 1996, 08, 763-817.	1.7	51
36	The Cosmological Semiclassical Einstein Equation as an Infinite-Dimensional Dynamical System. Annales Henri Poincare, 0, , 1.	1.7	7

#	ARTICLE	IF	CITATIONS
37	Special cosmological models derived from the semiclassical Einstein equation on \mathbb{R}^4 at FLRW space-times. Classical and Quantum Gravity, 0, , .	4.0	3