

Frederic P Schuller

List of Publications by Year in descending order

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27
papers

379
citations

759233

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794594

19
g-index

27
all docs

27
docs citations

27
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructive gravity: Foundations and applications. , 2022, , .		0
2	Geometric and energy-aware decomposition of the Navier-Stokes equations: A port-Hamiltonian approach. Physics of Fluids, 2021, 33, .	4.0	14
3	Port-Hamiltonian modeling of ideal fluid flow: Part I. Foundations and kinetic energy. Journal of Geometry and Physics, 2021, 164, 104201.	1.4	12
4	Port-Hamiltonian modeling of ideal fluid flow: Part II. Compressible and incompressible flow. Journal of Geometry and Physics, 2021, 164, 104199.	1.4	11
5	Exterior and vector calculus views of incompressible Navier-Stokes port-Hamiltonian models. IFAC-PapersOnLine, 2021, 54, 173-179.	0.9	2
6	Gravitational closure of matter field equations. Physical Review D, 2018, 97, .	4.7	7
7	Etherington's Distance Duality with Birefringence. Universe, 2017, 3, 52.	2.5	5
8	Gravitational dynamics for all tensorial spacetimes carrying predictive, interpretable, and quantizable matter. Physical Review D, 2012, 85, .	4.7	12
9	Geometry of physical dispersion relations. Physical Review D, 2011, 83, .	4.7	51
10	Quantization of general linear electrodynamics. Physical Review D, 2011, 83, .	4.7	11
11	Causal structure and algebraic classification of non-dissipative linear optical media. Annals of Physics, 2010, 325, 1853-1883.	2.8	30
12	Propagation of light in area metric backgrounds. Classical and Quantum Gravity, 2009, 26, 035024.	4.0	25
13	Brans-Dicke geometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 670, 161-164.	4.1	9
14	Radiation-dominated area metric cosmology. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 013-013.	5.4	14
15	Area metric gravity and accelerating cosmology. Journal of High Energy Physics, 2007, 2007, 030-030.	4.7	26
16	Geometric obstruction of black holes. Annals of Physics, 2007, 322, 1335-1372.	2.8	7
17	Geometry of manifolds with area metric: Multi-metric backgrounds. Nuclear Physics B, 2006, 747, 398-422.	2.5	17
18	Classical limit of quantum gravity in an accelerating universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 612, 93-99.	4.1	8

#	ARTICLE	IF	CITATIONS
19	Almost product manifolds as the low energy geometry of Dirichlet branes. European Physical Journal C, 2005, 39, 13-19.	3.9	3
20	Cosmological constraints on a classical limit of quantum gravity. Physical Review D, 2005, 72, .	4.7	21
21	ALMOST PRODUCT MANIFOLDS AS THE LOW ENERGY GEOMETRY OF DIRICHLET BRANES. , 2005, , .		0
22	Invariant length scale in relativistic kinematics: lessons from Dirichlet branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 402-408.	4.1	6
23	Sectional curvature bounds in gravity: regularisation of the Schwarzschild singularity. Nuclear Physics B, 2004, 698, 319-334.	2.5	9
24	Product structure of heat phase space and branching Brownian motion. Annals of Physics, 2003, 308, 528-554.	2.8	1
25	Pauli-Villars regularization and Born-Infeld kinematics. Classical and Quantum Gravity, 2003, 20, 4269-4284.	4.0	20
26	Born-Infeld Kinematics. Annals of Physics, 2002, 299, 174-207.	2.8	41
27	Born-Infeld kinematics and correction to the Thomas precession. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 540, 119-124.	4.1	17