

David R Andersen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

442
citations

933447

10
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct measurement of the transverse velocity of dark spatial solitons. Optics Letters, 1990, 15, 783.	3.3	82
2	Reversible optical computing circuits. Optics Letters, 1987, 12, 542.	3.3	58
3	Multicolor solitons due to four-wave mixing. Physical Review E, 1998, 57, 3551-3555.	2.1	40
4	Plasmon dispersion in semimetallic armchair graphene nanoribbons. Physical Review B, 2012, 85, .	3.2	36
5	Surface-wave excitation at the interface between diffusive Kerr-like nonlinear and linear media. Physical Review A, 1988, 37, 189-193.	2.5	31
6	Reflection and refraction of a three-dimensional Gaussian beam at a nonlinear interface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1989, 6, 1484.	1.5	30
7	Properties of soliton-soliton collisions. Physical Review A, 1992, 45, 2606-2610.	2.5	29
8	Stationary fundamental dark surface waves. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 759.	2.1	23
9	Reversible computing: All-optical implementation of interaction and priese gates. Optics Communications, 1987, 62, 232-236.	2.1	15
10	Soliton reflection and transmission at an interface. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 156, 441-443.	2.1	12
11	Stability analysis of the fundamental dark surface wave. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 2265.	2.1	10
12	First-principles study of the terahertz third-order nonlinear response of metallic armchair graphene nanoribbons. Physical Review B, 2016, 93, .	3.2	10
13	SLAM - vectorized calculation of refraction and reflection for a Gaussian beam at a nonlinear interface in the presence of a diffusive Kerr-like nonlinearity. Computer Physics Communications, 1988, 48, 255-264.	7.5	8
14	Collective modes of massive Dirac fermions in armchair graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 045303.	1.8	8
15	Asymptotic behavior of the self-defocusing nonlinear SchrÅdinger equation for piecewise constant initial conditions. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 698.	2.1	7
16	Third-order terahertz response of gapped, nearly-metallic armchair graphene nanoribbons. Journal of Physics Condensed Matter, 2016, 28, 475301.	1.8	7
17	Quantum Size Effects in the Terahertz Nonlinear Response of Metallic Armchair Graphene Nanoribbons. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 148-155.	2.9	7
18	Solitary four-wave-mixing states in $\hat{\epsilon}^3$ media. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 87.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Controller for a Continuous Near Infrared Glucose Sensor. , 2005, , .		5
20	Nonlinear THz response of metallic armchair graphene nanoribbon superlattices. Journal Physics D: Applied Physics, 2016, 49, 46LT01.	2.8	5
21	Reflection and refraction of optical beams at dielectric interfaces. Computers in Physics, 1991, 5, 49.	0.5	4
22	Third-Order Optical Response of Metallic Armchair Graphene Nanoribbons to an Elliptically-Polarized Terahertz Excitation Field. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-6.	2.9	3
23	Microwave tomography using dynamic 802.15.4 wireless networks. , 2007, , .		2
24	Data acquisition unit for an implantable multi-channel optical glucose sensor. , 2007, , .		2
25	Self-deflection of Three-dimensional Optical Beams by a Thin Nonlinear Layer with Saturable Dispersive and Absorptive Nonlinearity. Journal of Modern Optics, 1989, 36, 693-709.	1.3	1
26	Uniaxial nonlinear surface waves. Physical Review E, 1996, 53, 4077-4083.	2.1	1
27	Biaxial nonlinear surface waves. Physical Review E, 1996, 54, 4375-4383.	2.1	0
28	Data acquisition unit for an implantable multi-channel optical glucose sensor. Integrated Computer-Aided Engineering, 2008, 15, 109-130.	4.6	0
29	Intensity only microwave diffraction tomography using 802.15.4 wireless networks. , 2010, , .		0
30	Low noise measurement of photocurrent from low impedance photodiodes. , 2010, , .		0