David H Meyer

List of Publications by Year
in descending order

17	476	1307594 7	1125743 13
papers	citations	h-index	g-index

17	17	17	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital communication with Rydberg atoms and amplitude-modulated microwave fields. Applied Physics Letters, 2018, 112, .	3.3	139
2	Quantum-Limited Atomic Receiver in the Electrically Small Regime. Physical Review Letters, 2018, 121, 110502.	7.8	91
3	Waveguide-Coupled Rydberg Spectrum Analyzer from 0 to 20 GHz. Physical Review Applied, 2021, 15, .	3.8	82
4	Assessment of Rydberg atoms for wideband electric field sensing. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 034001.	1.5	74
5	Ionic Specificity in pH Regulated Charged Interfaces: Fe³⁺versus La³⁺. Langmuir, 2011, 27, 11917-11924.	3.5	37
6	Optimal atomic quantum sensing using electromagnetically-induced-transparency readout. Physical Review A, 2021, 104, .	2.5	21
7	Spin-Wave Multiplexed Atom-Cavity Electrodynamics. Physical Review Letters, 2019, 123, 263601.	7.8	9
8	Nonlinear polarization spectroscopy of a Rydberg state for laser stabilization. Applied Optics, 2017, 56, B92.	2.1	7
9	Increased atom-cavity coupling and stability using a parabolic ring cavity. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 195002.	1.5	6
10	Growth and temperature dependent photoluminescence of InGaAs quantum dot chains. Applied Surface Science, 2014, 296, 8-14.	6.1	4
11	Long-lived electron spins in a modulation doped (100) GaAs quantum well. Journal of Applied Physics, 2012, 112, .	2.5	2
12	Twists in nonlinear magneto-optic rotation with cold atoms. Optics Express, 2017, 25, 16392.	3.4	2
13	Universal scheme for measuring the electron <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></m in semiconductors and application to a lightly-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>n</mml:mi></mml:math> GaAs sample. Solid State Communications, 2012, 1	1.9	1
14	Microwave electric field sensing with Rydberg atoms. , 2016, , .		1
15	Spatial multiplexing in a cavity-enhanced quantum memory. , 2019, , .		0
16	Receiving Electric Fields with a Rydberg Quantum Sensor. , 2020, , .		0
17	Rydberg Vapor EIT Sensing Performance. , 2021, , .		0