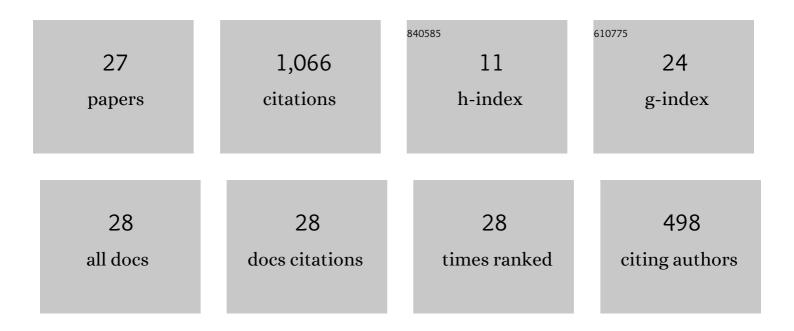
## G Jordan Maclay

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Vacuum Stress between Conducting Plates: An Image Solution. Physical Review, 1969, 184, 1272-1279.	2.7	448
2	The role of the casimir effect in the static deflection and stiction of membrane strips in microelectromechanical systems (MEMS). Journal of Applied Physics, 1998, 84, 2501-2506.	1.1	300
3	Analysis of zero-point electromagnetic energy and Casimir forces in conducting rectangular cavities. Physical Review A, 2000, 61, .	1.0	81
4	Use of the Curtis–Godson Approximation in Calculations of Radiant Heating by Inhomogeneous Hot Gases. Applied Optics, 1966, 5, 1791.	2.1	29
5	Sensor array and catalytic filament for chemical analysis of vapors and mixtures. Sensors and Actuators B: Chemical, 1990, 1, 43-47.	4.0	28
6	An integrated amperometric microsensor. Sensors and Actuators B: Chemical, 1990, 1, 303-307.	4.0	26
7	Of some theoretical significance: implications of Casimir effects. European Journal of Physics, 2001, 22, 463-469.	0.3	23
8	A Gedanken Spacecraft that Operates Using the Quantum Vacuum (Dynamic Casimir Effect). Foundations of Physics, 2004, 34, 477-500.	0.6	18
9	Effects of substrate temperature, deposition pressure, and thickness on the morphology of ultrathin platinum film on SiO2/Si substrate. Thin Solid Films, 1992, 219, 257-265.	0.8	14
10	Errors in Spectral Absorption Measurements Due to Absorbing Species in the Atmosphere*. Journal of the Optical Society of America, 1964, 54, 301.	1.2	13
11	Complex impedance measurements of capacitor structures on silicon with copper phthalocyanine dielectric. Journal of Applied Physics, 1990, 67, 3409-3418.	1.1	12
12	Humidity Dependence of Carbon Monoxide Oxidation Rate in a Nafionâ€Based Electrochemical Cell. Journal of the Electrochemical Society, 1995, 142, 157-160.	1.3	12
13	Dynamical Symmetries of the H Atom, One of the Most Important Tools of Modern Physics: SO(4) to SO(4,2), Background, Theory, and Use in Calculating Radiative Shifts. Symmetry, 2020, 12, 1323.	1.1	10
14	Integrated Absorptances of Spectral Line Groups in the 2.7â€Ĥ⁄4 Bands of Hot Water Vapor, Including Effects of Centrifugal Distortion. Journal of Chemical Physics, 1965, 43, 185-191.	1.2	8
15	Electrical properties, stability, and applications of ultrathin porous Pt films on SiO2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 3591-3597.	0.9	8
16	An impedance based ultra-thin platinum island film glucose sensor. Sensors and Actuators B: Chemical, 1993, 14, 749-751.	4.0	8
17	Gedanken experiments with Casimir forces and vacuum energy. Physical Review A, 2010, 82, .	1.0	7
18	History and Some Aspects of the Lamb Shift. Physics, 2020, 2, 105-147.	0.5	7

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#	Article	IF	CITATIONS
19	Model for entangled states with spin-spin interaction. Physical Review A, 2004, 70, .	1.0	4
20	A design manual for micromachines using Casimir forces: Preliminary considerations. AIP Conference Proceedings, 2000, , .	0.3	3
21	Spectroscopic determination of CO2 concentration in situ. Proceedings of the Combustion Institute, 1965, 10, 189-194.	0.3	2
22	Modulated photoionization detection of hydrazine compounds in mixtures without prior separation. Analytical Chemistry, 1991, 63, 1755-1759.	3.2	2
23	Testing a Quantum Inequality with a Meta-analysis of Data for Squeezed Light. Foundations of Physics, 2019, 49, 797-815.	0.6	2
24	Effect of quantum and thermal jitter on the feasibility of Bekenstein's proposed experiment to search for Planck-scale signals. Physical Review D, 2019, 99, .	1.6	1
25	A simple and inexpensive photographic process for generating multiple image masks from single image artwork. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1985, 3, 925.	1.6	0
26	The Role of Vacuum Fluctuations and Symmetry in the Hydrogen Atom in Quantum Mechanics and Stochastic Electrodynamics. Atoms, 2019, 7, 39.	0.7	0
27	An agent based force vector model of social influence that predicts strong polarization in a connected world. PLoS ONE, 2021, 16, e0259625.	1.1	0