

Refereed Journal Publications

citation count
from ISI Web
of Science

key to roles: group leader and P. I. = A
primary junior researcher = B
essential collaborator = C
peripheral collaborator = D

<u>citations</u>	<u>#</u>		<u>role</u>
66	1	M. Dagenais, M. DOWNER, R. Neumann, and N. Bloembergen, "Two-photon absorption as a new test of the Judd-Ofelt theory." <i>Physical Review Letters</i> 46 , 561-565 (1981).	C
52	2	A. Bogdan, M. DOWNER, and N. Bloembergen, "Quantitative characteristics of pressure-induced degenerate frequency resonance in four wave mixing." <i>Optics Letters</i> 6 , 348-350 (1981).	C
59	3	A. Bogdan, M. DOWNER, and N. Bloembergen, "Quantitative characteristics of pressure-induced four wave mixing signals observed with cw laser beams." <i>Physical Review A</i> 24 , 623-626 (1981).	C
50	4	M.C. DOWNER, A. Bivas, and N. Bloembergen, "Selection rule violation, anisotropy, and anomalous intensity of two-photon absorption lines in Gd ³⁺ : LaF ₃ ." <i>Optics Communications</i> 41 , 335-339 (1982).	B
115	5	M.C. DOWNER and A. Bivas, "Third and fourth order analysis of the intensities and polarization dependence of two-photon absorption lines of Gd ³⁺ in LaF ₃ and aqueous solution." <i>Physical Review B</i> 28 , 3677-3696 (1983).	B
88	6	M.C. DOWNER, C.D. Cordero-Montalvo, and H. Crosswhite, "Study of new 4f ₇ levels of Eu ²⁺ in CaF ₂ and SrF ₂ using two-photon absorption spectroscopy." <i>Physical Review B</i> 28 , 4931-4943 (1983).	B
191	7	W.H. Knox, M.C. DOWNER, R.L. Fork, and C.V. Shank, "Amplified femtosecond optical pulses and continuum generation at 5 KHz repetition rate." <i>Optics Letters</i> 9 , 552-554 (1984).	C
138	8	M.C. DOWNER, R.L. Fork, and C.V. Shank, "Femtosecond imaging of melting and evaporation at a photo-excited silicon surface." <i>Journal of the Optical Society of America B</i> 2 , 595-599 (1985).	B
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185	10	W.H. Knox, R.L. Fork, M.C. DOWNER, R.H. Stolen, C.V. Shank, and J. Valdmanis, "Optical pulse compression to 8 femtoseconds at a 5 KHz repetition rate." <i>Applied Physics Letters</i> 46 , 1120-1121 (1985).	C
114	11	M.C. DOWNER and C.V. Shank, "Ultrafast heating of silicon-on-sapphire by femtosecond optical pulses." <i>Physical Review Letters</i> 56 , 761-764 (1986).	B
19	12	G. Focht and M.C. DOWNER, "Generation of synchronized ultraviolet and red femtosecond pulses by intracavity frequency doubling." <i>IEEE Journal of Quantum Electronics</i> 24 , 431-434 (1988).	A
6	13	T.R. Zhang, G. Focht, P.E. Williams, and M.C. DOWNER, "Theory of intracavity frequency doubling in passively mode-locked femtosecond lasers." <i>IEEE Journal of Quantum Electronics</i> 24 , 1877-1883 (1988).	A
63	14	M. C. DOWNER, G. W. Burdick, and D. K. Sardar, "A new contribution to spin-forbidden rare earth optical transition intensities: Gd ³⁺ and Eu ³⁺ ." <i>Journal of Chemical Physics</i> 89 , 1787-1797 (1988).	A
66	15	W.M. Wood, G. Focht, and M.C. DOWNER, "Tight focusing and blue shifting of millijoule femtosecond pulses from a conical axicon amplifier." <i>Optics Letters</i> 13 , 984-986 (1988).	A
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