

# Decay of the Triplet P Levels of Neon

Physical Review

107, 118-124

DOI: [10.1103/physrev.107.118](https://doi.org/10.1103/physrev.107.118)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Kinetic Studies of Hydroxyl Radicals in Shock Waves. I. The Decomposition of Water between 2400Å° and 3200Å°K. Journal of Chemical Physics, 1958, 28, 1089-1096.	3.0	37
2	Diffusion, De-excitation, and Three-Body Collision Coefficients for Excited Neon Atoms. Physical Review, 1959, 114, 1011-1025.	2.7	247
3	Role of Molecular Ions, Metastable Molecules, and Resonance Radiation in the Breakdown of Rare Gases. Physical Review, 1960, 117, 619-632.	2.7	77
4	Enhancement in Mercuryâ€™Krypton and Xenonâ€™Krypton Gaseous Discharges. Applied Optics, 1963, 2, 299.	2.1	6
5	Pulsed Helium-Neon Gas Laser Applications. IEEE Transactions on Military Electronics, 1964, 8, 3-12.	0.3	3
6	Radiative and Collision-Induced Relaxation of Atomic States in the2p53pConfiguration of Neon. Physical Review, 1966, 149, 38-51.	2.7	149
7	Decay of Excited Species in a Pulsed Discharge in Krypton. Physical Review, 1967, 158, 121-129.	2.7	46
8	Secondary ionization mechanisms in the electrical breakdown of neon. British Journal of Applied Physics, 1967, 18, 1821-1823.	0.7	3
9	Unsaturated gain and output power of a 6328 &#197; He-Ne gas laser. IEEE Journal of Quantum Electronics, 1968, 4, 65-70.	1.9	9
10	Optical Pumping of Neon Metastable (P23) Atoms. Physical Review Letters, 1968, 21, 660-661.	7.8	11
11	Optical Pumping of NeonP23Metastable Atoms. Physical Review, 1969, 180, 83-90.	2.7	23
12	Time-resolved optical absorption measurements of excited-atom concentrations in the argon afterglow. Journal of Physics B: Atomic and Molecular Physics, 1969, 2, 1366-1377.	1.6	97
13	The lifetime and effective quenching cross section of the 62P32 state of thallium. Journal of Quantitative Spectroscopy and Radiative Transfer, 1969, 9, 697-704.	2.3	15
14	Optical Line-Absorption Techniques for Measuring Atomic-State Populations. Journal of the Optical Society of America, 1969, 59, 1262.	1.2	15
15	Simultaneous Oscillation of a He-Ne Gas Laser at 6328 Å... and 3.39 Åµm. Japanese Journal of Applied Physics, 1970, 9, 109-114.	1.5	2
16	Metastable Densities in Nobleâ€™Gas Plasmas Created by Nuclear Radiations. Journal of Applied Physics, 1971, 42, 5379-5391.	2.5	20
17	Decay of Krypton1s2and1s3Excited Species in the Late Afterglow. Physical Review A, 1973, 8, 3123-3130.	2.5	15
18	Estimations of the Number of Metastable Atoms and the Ionization of Metastable Atoms in a Positive Column. Japanese Journal of Applied Physics, 1974, 13, 1929-1930.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Density measurements of the excited atoms in a neon discharged by means of optical fluorescence. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1975, 80, 571-584.	0.9	4
20	Population of resonant levels in argon by inelastic collision between slow electrons and metastable atoms. Journal of Applied Spectroscopy, 1975, 23, 1317-1321.	0.7	5
21	Time dependence of the vacuum-uv emissions from neon, and energy transfers to the resonance states Ne(P11) and Ne(P13) in helium-neon mixtures. Physical Review A, 1975, 12, 2501-2513.	2.5	43
22	Diffusion coefficient for thermal electrons in neon at 295 K. Physical Review A, 1975, 12, 776-784.	2.5	8
23	Low-Temperature Rare-Gas Stationary Afterglows. Advances in Electronics and Electron Physics, 1976, , 121-181.	0.6	5
24	Frequency-locking of a CW dye laser to some absorption lines of a neon discharge by a Faraday filter. Optics Communications, 1977, 22, 181-184.	2.1	6
25	Laser fluorescence spectroscopy of three-level systems. Journal of Applied Physics, 1978, 49, 5801-5805.	2.5	8
26	An experimental study of the reactions of excited neon atoms in pure afterglow plasmas using resonance absorption spectrometry. Journal of Physics B: Atomic and Molecular Physics, 1979, 12, 4113-4134.	1.6	15
27	Relaxation of photon echoes in weakly ionized noble-gas plasmas. Physical Review A, 1979, 20, 2610-2618.	2.5	13
28	Excitation transfer in the first triplet levels of krypton. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 83, 161-163.	2.1	0
29	Laser-induced optogalvanic effects under prebreakdown conditions in neon. Journal Physics D: Applied Physics, 1981, 14, 151-161.	2.8	20
30	Collision processes in Ne-O <sub>2</sub> afterglows. Journal of Chemical Physics, 1982, 76, 349-353.	3.0	3
31	Dissociative recombination in electron-beam excited argon at high pressures. Journal of Chemical Physics, 1983, 78, 1851-1860.	3.0	27
32	Energy-transfer processes in decaying neon-copper gaseous plasmas. Physical Review A, 1984, 30, 1760-1765.	2.5	7
33	cw helium-neon Raman laser. Applied Physics Letters, 1986, 48, 86-88.	3.3	6
34	A Microcomputer System for Time Varying Optical Absorption Measurements. Spectroscopy Letters, 1986, 19, 1195-1205.	1.0	3
35	UV emission from excited inert-gas molecules. Uspekhi Fizicheskikh Nauk, 1992, 35, 400-419.	0.3	17
36	Production of a high-density state-selected metastable neon beam. Review of Scientific Instruments, 1992, 63, 163-165.	1.3	14

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37	The reflection of metastable particles at a surface. Journal Physics D: Applied Physics, 1994, 27, 1487-1491.	2.8	19
38	Fine-structure transitions in metastable Ne*(3P0,2) colliding with ground state rare gases at thermal energies. Journal of Chemical Physics, 1994, 100, 2690-2696.	3.0	2
39	Interchannel optical coupling within arrays of linear microplasmas generated in 25-µm wide glass channels. Applied Physics Letters, 2010, 97, 231502.	3.3	17
40	Determination of diffusion, reflection and deexcitation coefficients of metastable excited Ne(3P2) atom. Journal Physics D: Applied Physics, 2016, 49, 185202.	2.8	7
41	A microwave plasma source for VUV atmospheric photochemistry. Journal Physics D: Applied Physics, 2016, 49, 395202.	2.8	10
42	Interactions of noble gas atoms. Processes due to elastic scattering. Annales De Physique, 1989, 14, 467-604.	0.2	30
43	Excitation transfer and intermultiplet transitions in collisions of He and Ne atoms at thermal energies. Annales De Physique, 1992, 17, 365-470.	0.2	16
44	Évolution de la densité des atomes métastables du néon formés dans une décharge à courant continu de faible intensité. Journal De Physique, 1969, 30, 556-562.	1.8	20
45	Influence de la pression sur la constante de déclin de la population des atomes Ne 3P° dans le néon pur et en présence d'argon. Journal De Physique, 1970, 31, 957-963.	1.8	2
46	Étude par pompage optique de l'échange de métastabilité dans le néon. Journal De Physique, 1977, 38, 609-622.	1.8	10