

LIST OF REFERENCES

- Agostini P ,Barjot G, Bonnal J F ,Manifray G, Manus C and Morelles J IEEE J . Quant .Electron .QE- 4 667(1968).
- Agostini P ,Barjot G, Mainfray G ,Manifray G, Manus C and Therault J IEEE J . Quant .Electron .QE- 6 782(1970).
- Agostini P ,Lu Van M and Mainfray G Phys.Lett .36A(1971).
- Askaryan G. A. ,Rabinovich G. A., Savchenko M. and Stepano V. K. Sov.phys. LETP. Lett.5121, (1967).
- Askaryan G. A. and Rabinovich M. S., Sov. Phys. JETP 21, 190,(1965).
- Baravian G, Benattar R, Bretagne J ,Godart J L and Solatan G Appl,Phys.Lett. 16 162(1970).
- Bebb H. and Gold A.,Phys.Rev.Letts.14,60 ,(1965).
- Berezhetskaya N K ,Delone N B and Urazbaev T T Zh .Eksp.Teor .Fiz .Pis.Red .15 478(1972).
- Besner S, Degorce J Y, Kabashin A V, and Meunier M (2004) Proc. of SPIE, 5578,554-558.
- Brown R. T. and Smith D. C., Appl. Phys. Lett. 22,245(1973).
- Brown S.C. "breakdown in gases : alternating and high-frequency fields" encyclopedia of physics .S. flugge (Ed). Springer-verlag, new york ,(1956).
- Brown S.C. "Basic data of plasma physics" New York, Wily, (1959).

- Buscher HT, RG Tomlinson, and EK Damon, Phys. Rev.Lett.15, 847- 849(1965).
- Cartry G, Magne L, Cernogora G (1999) J. Phys. D: Appl. Phys. 32, 1894-1907.
- Cartwright D C , Trajmar S , Chutjlan A and Williams, W., Phys. Rev. A. 16, 1041(1977).
- Chan C. H. , Moody C. D. and Mcknight W. B. , J. Appl. Phys. 44, 3, 1149, (1973).
- Chan C. H. and Moody C. D. , J. Appl. Phys. 45,3 , 1105-1111,(1974).
- Chan F. T. and Tang C. L., Phys. Rev. 185, 42, (1969).
- Dalgarno, A. and Lane, N. (1966) Astrophys. J. 145,623.
- Davis P J , Smith L A , Giranda C and Squicciarini M , Applied Optics
- Delone G A and Delone N B Sov.Phys.JETP Lett.10 265(1969).
- DeMontgolfier P., J. Phys. D: Appl. Phys. 5, 1438, (1972).
- Dors I G and Parigger C G (2003) Appl. Optics 42, 30, 5978-5985.
- Evans C J and Gamal Y E (1980),J. Phys. D: Appl. Phys. 13,1447-1458.
- Evans, C. J. and Gamal, Y EE-D . (1984)J. Phys. D: Appl. Phys., 17, 691-698 .
- Friedland, L. (1975) Phys.Rev.A12 2024.
- Gamal Y E (1988) J. Phys. D: Appl. Phys. 21, 1117-1120.
- Gamal Y E and Omar M O(2001),Radiation Physics and Chemistry,62,361-370.

- Gamal Y E, F. Abdelatif and G. Abdelatif (2000), J. Phys. D: Appl. Phys. 33, 9, 1126-1133.
- Gamal Y. EE-D. and Abdel Harith ,M. (1983)J. Phys. D: Appl. Phys., 16, 1901.
- Gamal Y E, Shafik M S and Daoud J M(1999), J. Phys. D: Appl. Phys. 32, 423-429.
- Gamal Y EE-D, Ph.D. Thesis Swansea University of Wales(1978).
- Gontier Y and Trahin M C. R .Acad.Sci., paris 264 B 499 a(1967).
- Grey Morgan C(1978),Sci. Prog. Oxf. ,65, 31-50.
- Guenther A H and Pendleton W K ."Laser Interaction and Related Plasma Phenomena" .2.ed HJ Schwarz and H Hora. 97-145(1972).
- Hongchao Zhang, Jian Lu, Zhonghua Shen, Xiaowu Ni Optics Communications 282 (2009) 1720–1723
- Hubert P and Laroche P 1984 Triggered lightning in New Mexico J. Geophys. Res. 89 D2 2511-21
- Ilyin A A, Bukin O A, and Bulanov A V (2008) Tech. Phys. 53, 6, 693-696.
- J J Camacho , M Santos , L D´iaz and J M L Poyato J. Phys. D: Appl. Phys. 41 (2008) 215206 (13pp)
- Keldysh L. V., Sov. Phys. JETP 20, 1307-1314, (1965).
- Kidder R E Nucl.Fusion 8 3(1968).
- Kidder R. E. (1968) Nucl. Fusion 8, 3.
- Kithil R 2002 National Lightning Safety Institute (NLSI) Lightning Accidents and Incidents

- Krasnyuk P N , Pashinin P P and Prokhorov A M, Sov . Phys .JETP 31 860(1970)
- Krasnyuk P N , Pashinin P P and Prokhorov A M ,Sov . Phys .JETP 9 354 (1969)
- Kroll N and Watson K M (1972),Phys. Rev. A,5,4,1883-1905.
- Kroll N. and Watson K. M., Phys. Rev. A. vol. 5. Pp. 1883-1905,(1972).
- Lambropoulos P .In Advances in Atomic and Molecular Physics (Academic ,New York ,1976).
- Lencioni D E (1974) Appl. Phys. Lett. 25, 1, 15-17.
- Louis-Jacquet M. and Decoster A., J. Phys. B. At. Mol. Phys. 19 ,2 ,p. 197-206, (1977).
- Mainfray G .J.Physique 43,367(1982).
- Maiman T H, "Stimulated Optical Radiation in Ruby Masers", Nature 187,493(1960).
- Martin A and Uman 1994 Natural lightning IEEE Trans. Ind. Appl. 30 785-90
- Mechain G, D'Amico C, Andre Y B, Tzortzakis S, Franco M, Prade B, Mysyrowicz A, Couairon A, Salmon E, and Sauerbrey R (2005) Optics Communications 247, 171-180.
- Meyerand, R. G. and Haught, A. F. (1963) Phys. Rev. Letts., 11.401.
- Meyer R.G., and Haught A.F., Phys. Rev. Letts. 11,401 ,(1963).
- Mics Z, Kadlec F, Kuzel P, Jungwirth P, Bradforth S and Apkarian V (2005) J. Chem. Phys. 123, 104310.

- Minowa T, Kawata T, Katsuragawa H, and Uematsu (1998) Appl. Optics 37, 6, 1099-1103.
- Mink R W , J. Appl. Phys. 35, 252,(1964).
- Morgan F,Evans L R and Grey Morgan C.J.Phys. D.Appl .Phys. 4-225, (1971).
- Morton V M Proc. Phys . Sov. 92 30(1967).
- Nielson P. and Canavan C., J.Appl. Phys., Vol. 44,No.9 ,4224 ,(1973).
- Peressini E. R., Physics of Quantum Electronics, McGraw-Hill, NewYork ,(1966).
- Petrova Tz B, Ladouceur H D, and Baronavski (2007) Phys. Rev. E, 066405.
- Phuoc T X (2000) Optics Communications 175, 419-423.
- Phuoc T X and White F P (2002) Fuel 81, 1761-1765.

- Rosen, D. I. and Weyl, I. G. (1987) J . Phys . D: Appl.phys.,20 1264- 1276.
- Ryutov D. D., Sov. Phys. JETP 20,1472 ,(1965).
- Santiago J. and Robinson A. M., Can. J. Phys.vol 58, P.153, (1980).
- Shen Y. R., Phys. Letters 20, 378, (1966).

- SircarA, R K Dwived and R K Thareja , Applied phys. B63,623-7(1997).

- Smith D. C. and Haaght A. F., Phys. Rev. Lett., Vol. 16, P.1085-1088,(1966).

- Stricker J and Parker J G (1982), J. Appl. Phys. 53,851-859.
- Takahashi A. and Nishijima K., Jpn. J. Appl. Phys. Vol. 34, Pt. 1, No. 5A, (1995).
- Takahashi A and Nishijima K(1995), Japan J. Appl. Phys. 34, 2471-2475.
- Takahashi A and Nishijima K(1998), Jpn. J. Phys. 37, 313-319.
- Tambay R and Thareja R (1991) J. Appl. Phys. 70, 5, 2890-2892.
- Tang Jian, Jiu Zhixian, Yang Chenguang, Zuo Duluo, Cheng Zuhai, Proc. of SPIE Vol. 7276 72760F-1-7(2009).
- Terhune R W , Third International Symposium on Quantum Electronics, Paris(1963).
- Terushige H and Fumiteru A, Japanese Journal of Applied Physics Vol. 47, No. 6, 2008, pp. 4759–4761
- Thomas R G , Ohio State University, Antenna. Laboratory Rep. 1579 (1969).
- Tomlinson R G., Phys. Rev.Lett.14 489(1965).
- Tozer B. A., Phys. Rev. 137A, 1665-1667, (1965).
- V. Hohreiter, J.E. Carranza1, D.W. Hahn Spectrochimica Acta Part B 59 (2004) 327–333
- Voronov G S .Delone G A and Delone N B, Sov . Phys .JETP . Lett 24, 1122(1967).
- Voronov G S and Delone N B, Sov . Phys .JETP . Lett 23 54;50 78 (1966).
- Wely G. M. and Rosen D. Phys. Rev. A31 , 2300 –2313, (1985).
- Wright J. K., Proc. Phys. Soc. 84, 41-64, (1964).

- Xin M Z, Diels J C, Cai Y W and Elizondo J M 1995
Femtosecond ultraviolet laser pulse induced lightning discharges
in gases *IEEE J. Quantum Electron.* 31 599-612
- Young M., and Hercher M., *J. Appl. Phys.* 38. 4393 -4000,
(1967).
- Zel'dovich Y. and Raizer Y., *Sov. Phys. JETP*, Vol. 20, PP.
772,(1965).
- Zhang Yi, Li Yu-Tong, Zheng Zhi-Yuan, Liu Feng, Zhong Jia-
Yong, Lin Xiao Xuan, Liu Feng, Lu Xin, and Zhang Jie (2007)
Chin. Phys. 16, 12, 3728-04.
- Zhao Rui , Liang Zhong-Cheng , Han Bing ,Zhang Hong-Chao,
Xu Rong-Qing, Lu Jian, and Ni Xiao-Wu *Chinese Physics B* Vol
18 No 5, May 2009.