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1- Photoconductivity of Semiconductors, Assiut University, 1973.

2- Applied Science, University of California, Davis 1978.

PhD: Theoretical Physics, High Temperature-High Pressures Physics, University of California, Davis, 1982.

Publication List

1- Photoconductivity of High Resistivity P- type Cd Te Single Crystal and its Mechanism

Talat G. H., A.Belal, and M. S. Abduazeem, Bul. of Faculty of Science, Assiut University 2, 329-341 (1973).

2- The Spectral Response and the Photoconductivity in High Resistivity n- type Cd S Single Crystal.

A. Belal, Talat G. H. and M S Abduazeem, Bul.of Faculty of Science ,

Assiut University, 3, 329-337 (1974)

3- One-dimensional Dense Fluid Detonation Wave Structure.

M S Abulazeem and W. G. Hoover, J. Phys. Chem. 87, 2795-2798 (1983)

4- Preliminary Phosphorescence Study from Biomembrane.

M S Abdulazeem, Proceedings of the 2nd Conference on Optical Spectroscopy, Laser and their Applications, 143-161, Cairo, 3-6 Nov.(1985)

5- Short-Lived Phosphorescence from Biomembrane Using Pulsed

Dye laser, M S Abdulazeem, Proceeding of the 2nd Conference on Optical Spectroscopy, Laser and their Applications, 52-61, Cairo, 3-6 Nov. (1985)

6- Dense Fluid Detonation Performance as Calculated by the

Lennard- Jones Equation of State, M S Abdulazeem, Progress In Astronautics and Aeronautics, 106, 629-648, (1985)

7- Shock Compression of Simple Molecules ,M S Abulazeem, J.

Statistical Physics, 46, Nos 3/4, 635-658, (1987)

8- Shock Compression of Condensed Argon, M S Abdulazeem, High

Temperature - High pressures, 20, 509- 516, (1988)

9- High Temperature Thermodynamics of Dense Fluid, M S

Abdulazeem, The 3rd National Meeting of Chemists 12-14 March (1989), King Fahd University of Petroleum and Minerals, Dhahran.

- 10- Viscosity of Simple Dense Fluid, M S Abdulazeem, The 3rd National meeting of Chemists ,12-14, March (1989), King Fahd University of Petroleum and Minerals, Dhahran.
- 11- Viscosity and Thermal Conductivity of Simple Fluids at High Pressures, M S Abulazeem, High Temperatures - High Pressures, 21,193-205, (1990)
- 12-Viscosity of Simple Compressed Fluid Mixtures, M S Abulazeem, High Temperatures - High Pressures, 24, 241- 248, (1992)
- 13- Thermal Conductivity of Simple Compressed Mixture, M S Abdulazeem, High Temperatures - High pressures, 24, 249-257(1992).
- 14- Thermal Conductivity of Simple Dense Fluids, M S Abdulazeem, 8th International Conference on Numerical Methods in Thermal Problems, Institute for Numerical Methods in Engineering, University College of Swansea, July 11th - 16th, (1993).
- 15- Shock and Detonation Properties of Liquid Nitric Oxide, M S Abulazeem, J. Phys. D: Appl.Phys.28 665, (1995).
16. Coupling Between Shock and Reaction Zone in One-Dimensional Dense Fluid Detonation, M S Abdulazeem, 1995 APS Topical Conference on Shock Compression of Condensed Matter, 13-18 Aug.

1995, Seattle Washington, USA.

17. Detonation Characteristics of Liquid Explosives with Gaseous Products, M S Abdulazeem, High Temperatures- High Pressures, vol. 27/28, 67-73 (1995/1996).

18. Detonation Characteristics of Dense Fluid Mixtures, M S Abdulazeem, High Temperatures- High Pressures, vol. 27/28, 547-553 (1995/1996).

19. Shock and detonation properties of solid explosives, M S Abdulazeem, The Tenth Biennial Conference of the American Physical Society, Topical Group on Shock compression of Condensed Matter, University of Massachusetts, USA, July 27- Aug.1 1997.

20. An equation of state of simple compressed solid, M S, Abdulazeem, The International Conference of Materials Science and Technology, Bani Sewef, Egypt, 2001.

21- Pulsed Laser Initiation of Solid explosives, M S Abdulazeem, Abu. M. Al Hassan, and S. Abdulrahmann, American Physical Society, Shock Compression of Condensed Matter Meeting, June 24-29, 2001, Atlanta, Georgia Bulletin of the American Physical Society, Vol. 46, No. 4, abstract #D2.004.

21. Shock and Detonation Properties of Solid Explosives with

Gaseous Products , M S, Abdulazeem, Journal of Hazardous materials, 2009, in press

22. Thermal and Laser Initiation of Solid Explosives, M S Abdulazeem, Abu. M. Al Hassan, and S. Abdulrahmann, to be submitted to Shock Waves.

Books

- 1- A Book Review for High Temperature – High Pressures, Introduction to the Technology of Explosives by Paul W. Cooper and Stanley R. Kuroski, 1990
- 2- Physics of Nuclear Medicine (in Arabic), by Mohamed Safwat Alsoufy, 2009, دار النشر للجامعات, القاهرة،
- 3- Vector and Tensor Analysis (in Arabic) by Mohamed Safwat Alsoufy, in its final phase.
- 4- Electromagnetic Fields and Waves (in Arabic), by Mohamed Safwat Alsoufy, in its final phase.

