

BRIJENDER DAHIYA

List of Publications

1. *Ionization of the H atom in ultrashort chirped laser pulses*,
Vinod Prasad, **Brijender Dahiya** and Koichi Yamashita,
Physica Scripta, ISSN:1402-4896, Impact Factor:1.032, vol.**82** (2010), pp. 055302,
2. *Dynamics of Particle in Time Varying Potential Due to Chirped Laser Pulse*, *
Brijender Dahiya and Vinod Prasad,
Journal of Modern Physics, ISSN:2153-1196, Impact Factor: 0.28 vol.**1(issue-6)**,
(2010) pp. 372
3. *Modifications of laser field assisted inter sub-band transitions in the coupled quantum wells due to static electric field*,
Vinod Prasad and **Brijender Dahiya**,
Physica Status Solidi B, ISSN: 1521-3951, Impact Factor :1.489, vol. **248**, (2011)
pp. 1727
4. *Ionization and population transfer in lithium Rydberg states with ultrashort chirped laser pulses*,
Brijender Dahiya, Dipti Munjal and Vinod Prasad,
Indian Journal of Physics, ISSN:0973-1458, Impact Factor: 1.785, vol.**85**,
(2011)pp. 1721
5. *l-mixing collision in presence of microwave field*, *
Urvashi Arya, **Brijender Dahiya** and Vinod Prasad,
Journal of Modern Physics, ISSN:2153-1196, Impact Factor: 0.28, vol.**3(issue-1)**,
(2012) pp.28
6. *Pulse shape effect of delayed pulse on Non-adiabatic rotational excitation*,
Urvashi Arya, **Brijender Dahiya** and Vinod Prasad,
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, ISSN:1386-
1425, Impact Factor: 2.000, Vol. **95** (2012) pp. 491
7. *Absorption Spectra of Artificial Atoms in Presence of THz Fields.*®
Brijender Dahiya, Kriti Batra and Vinod Prasad,
International Journal of Engineering and Applied Sciences, ISSN: 2010-3980,
Impact Factor: NA, Vol. **6** (2012), pp.269
8. *Dynamics of intersubband transitions in triangular quantum wells due to static magnetic and laser fields*.
Brijender Dahiya, Vinod Prasad and Koichi Yamashita,
Journal of Luminescence, ISSN:0022-2313, Impact Factor: 2.144 vol. **136** (2013)
pp. 240–248
9. *Non-adiabatic rotational excitation of dipolar molecules in presence of delayed pulses*.
Urvashi Arya, **Brijender Dahiya** and Vinod Prasad

- Journal of Chemical Sciences, ISSN: 0974-3626, Impact Factor 1.3, vol. 125 (2013)
pp. 1213
10. *Dynamics of orientation of adsorbed polar molecules in static electric and laser field.*
Brijender Dahiya, Ashish Tyagi and Vinod Prasad
Molecular Physics, ISSN:1362-3028, Impact factor:1.67, Vol. 112, No. 12, PP.
1651–1658, (2014)
11. *Shannon information entropy sum of the confined hydrogenic atom under the influence of an electric field.*
S. J. C. Salazar, H. G. Laguna, **B. Dahiya**, V. Prasad and R. P. Sagar
The European Physical Journal D, ISSN: 1434-6060, Impact factor: 1.425, Vol.
75:127 (13 pages) (2021)

(Brijender Dahiya)