

In this study, the effects of hydrostatic pressure, temperature, and high-frequency intense laser field on the nonlinear optical properties of an asymmetric GaAs/AlGaAs double quantum well was theoretically inve ... [Show more](#)

[View full text](#) ...

[Related records](#)

- 10 [Non-resonant intense laser field effect on the nonlinear optical properties associated to the inter- and intra-band transitions in an anharmonic quantum well submitted to electric and magnetic field](#)

1 Citation

49 References

[Turkoglu, A; Aghoutane, N; \(...\); Ungan, F](#)
Aug 2021 | May 2021 (Early Access) | [SOLID STATE COMMUNICATIONS](#) 334

[Enriched Cited References](#)

Simultaneous effects of electric, magnetic, and non-resonant intense laser field on the nonlinear optical properties of a GaAs quantum well with an anharmonic confinement potential profile are theoretically investigat ... [Show more](#)

[View full text](#) ...

[Related records](#)

- 11 [The effect of impurity position and doping concentration on the binding energies and total optical absorption coefficients in a delta-doped quantum well](#)

1 Citation

31 References

[Durmuslar, AS; Turkoglu, A; \(...\); Ungan, F](#)
Apr 8 2021 | [EUROPEAN PHYSICAL JOURNAL PLUS](#) 136 (4)

In this present work, for different impurity position and ionized doping concentrations, we have theoretically investigated the linear, third-order nonlinear, and total optical absorption coefficients corresponding to ... [Show more](#)

[View full text](#) ...

[Related records](#)

- 12 [Effect of intense laser and electric fields on nonlinear optical properties of cylindrical quantum dot with Morse potential](#)

2 Citations

42 References

[Ungan, F; Bahar, MK; \(...\); Laroze, D](#)
Jun 2021 | Mar 2021 (Early Access) | [OPTIK](#) 236

[Enriched Cited References](#)

In this study, the influence of the external electric field on the nonlinear optical properties of a laser dressed cylindrical quantum dot with axial Morse potential are theoretically investigated using the total optical absorpti ... [Show more](#)

[View full text](#) ...

[Related records](#)

- 13 [Optical properties of a triple AlGaAs/GaAs quantum well purported for quantum cascade laser active region](#)

2 Citations

30 References

[Bahar, MK; Rodriguez-Magdaleno, KA; \(...\); Ungan, F](#)
Mar 2021 | [MATERIALS TODAY COMMUNICATIONS](#) 26

MATERIALS TODAY COMMUNICATIONS

Journal Impact Factor™

2020	Five Year
3.383	3.145

JCR Category **Category Rank** **Category Quartile**

MATERIALS SCIENCE, MULTIDISCIPLINARY <i>in SCIE edition</i>	165/334	Q2
--	---------	----

Source: Journal Citation Reports™ 2020

[Related records](#)

- 14

2 Citations

42 References

The asymmetric potential profiles are of great interest fr ... [Show more](#)

