

Curriculum Vitae



Name: Ahmed H. Flayyih

Gender: Male

Adress: Iraq- Baghdad

Affiliation: The unversity of thi-Qar

Email:ahmed.hmood_phy@sci.utq.edu.iq / phy.lab2013@gmail.com

Academic Qualification :

1. B.Sc., Al-mustanseriyah university, 2001
2. M. Sc. , Al-mustanseriyah university, thesis title :“Voice recognition systems”2004
3. PhD. In physics, Al-mustanseriyah university, thesis title :“Four-Wave Mixing in Quantum Dot Optical amplifiers ”2013.

Puplised papers

1. [Theory of four-wave mixing in quantum dot semiconductor optical amplifiers](#)

A.H. Flayyih, AH Al-Khursan

Journal of Physics D: Applied Physics 46 (44), 445102

2. [Four-wave mixing in quantum dot semiconductor optical amplifiers](#)

A.H. Flayyih, AH Al-Khursan

Applied optics 52 (14), 3156-3165

3. [Integral gain in quantum dot semiconductor optical amplifiers](#)

AH Flayyih, AH Al-Khursan

Superlattices and Microstructures 62, 81-87

4. Theory of pulse propagation and four-wave mixing in a quantum dot semiconductor optical amplifier

AH Flayyih, AH Al-Khursan

Current Applied Physics 14 (7), 946-953

5. Carrier heating in quantum dot structures

AH Flayyih, AH Al-Khursan

Modern Physics Letters B 28 (05), 1450032

6. Four-wave mixing in quantum dot SOAs: Theory of carrier heating

AH Flayyih, AG Al-Shatravi, AH Al-Khursan

Results in physics 7, 1339-1345

7. The Influence of Confined Energy on the Carrier Heating in Quantum Dot Semiconductor Optical Amplifiers

AH Al-Kursan, AH Flayyih, KH Bardan

Skills and experiences

1. Supervision on M. Sc. Projects for four years.
2. Supervision on undergraduate physics labs (includes; electreicy, thermal physics, modern physic)
3. Postgraduate Lecturer (M. Sc and PhD. Students)

IT skills

1. Vigual Basic
2. Mathlab
3. Microsoft office