

Review of articles for FY3M class
J. Erhart

Scopus – **quantum mechanics**

Escalada L.T., Rebello N., Zollman D.A.
Student explorations of quantum effects in leds and luminescent devices
(2004) Physics Teacher, 42 (3), pp. 173 - 179

Kohnle A., Jackson A., Paetkau M.
The difference between a probability and a probability density
(2019) Physics Teacher, 57 (3), pp. 190 - 192

Dür W., Heusler S.
Visualization of the invisible: The qubit as key to quantum physics
(2014) Physics Teacher, 52 (8), pp. 489 - 492

Bonsignore G., Agnello S., Cannas M., Gelardi F., Gallitto A.A.
High-Efficiency Multi-Junction Photovoltaic Cells in School Physics Laboratory
(2020) Physics Teacher, 58 (2), pp. 126 - 129

Voit G.M.
Quantum mechanics goes boom
(2025) Physics Teacher, 63 (4), pp. 292 - 293

Thees M., Hochberg K., Kuhn J., Aeschlimann M.
Adaptation of acoustic model experiments of STM via smartphones and tablets
(2017) Physics Teacher, 55 (7), pp. 436 - 437

Molina M.I.
Exponential versus linear amplitude decay in damped oscillators
(2004) Physics Teacher, 42 (8), pp. 485 - 487

Freericks J.K., Cutler D., Kruse A., Vieira L.B.
Teaching Quantum Mechanics to over 28,000 Nonscientists
(2019) Physics Teacher, 57 (5), pp. 326 - 329

White G.
Happy 100th Birthday, Quantum Mechanics!
(2025) Physics Teacher, 63 (1), pp. 4 - 5

Mishra S.
Significance of a recurring function in energy transfer
(2017) Physics Teacher, 55 (5), pp. 298 - 300

Schneider M.
Quantum mechanics for beginning physics students
(2010) Physics Teacher, 48 (7), pp. 484 - 486

Oss S., Rosi T.

A bit of quantum mechanics

(2015) *Physics Teacher*, 53 (4), pp. 230 - 233

Christian W., Belloni M., Esquembre F., Mason B.A., Barbato L., Riggsbee M.

The physlet approach to simulation design

(2015) *Physics Teacher*, 53 (7), pp. 419 - 422

Hobson A.

Teaching Quantum Uncertainty

(2011) *Physics Teacher*, 49 (7), pp. 434 - 437

Pfaender J., Gratton L.M., Rosi T., Onorato P., Malgieri M.

A Single Photo for Calibration and Measurement: A Low-Cost Spectrometry Setup

(2022) *Physics Teacher*, 60 (3), pp. 220 - 222

de los Ángeles Fanaro M., Otero M.R., Arlego M.

Teaching basic quantum mechanics in secondary school using concepts of feynman path integrals method

(2012) *Physics Teacher*, 50 (3), pp. 156 - 158

Marburger J.H., III

What is a photon?

(1996) *Physics Teacher*, 34 (8), pp. 482 - 486

Belloni M., Christian W., Cox A.J.

Teaching qualitative energy-eigenfunction shape with physlets

(2007) *Physics Teacher*, 45 (8), pp. 488 - 491

Smith D.A.

Quantum mechanics in the stars

(2025) *Physics Teacher*, 63 (2), pp. 132 - 133

Villars C.N.

The paradox of Schrodinger's cat

(1986) *Physics Education*, 21 (4), art. no. 007, pp. 232 - 237

Gomes A.L.S., Fitzgerald B.W., Rocha C.R.

Teaching quantum mechanics using Ant-Man

(2024) *Physics Education*, 59 (6), art. no. 065025

Matthews J.C., Sheard F.W.

A working model of incompatible quantum variables

(1980) *Physics Education*, 15 (4), art. no. 007, pp. 231 - 234

Michellini M., Ragazzon R., Santi L., Stefanel A.

Proposal for quantum physics in secondary school

(2000) *Physics Education*, 35 (6), pp. 406 - 410

Mok R., Akhtar F., Clare L., Li C., Ida J., Ross L., Campanelli M.

Using large language models for grading in education: an applied test for physics

(2025) Physics Education, 60 (3), art. no. 035006

Ogborn J., Taylor E.F.
Quantum physics explains Newton's laws of motion
(2005) Physics Education, 40 (1), pp. 26 - 34

Elson L., Gaughan L., Hopton B., Lloyd-Brown S., Briggs C., Gharamti M., Moriarty P.
'ChatGPT did my homework': lessons learnt from embedding a chatbot in undergraduate coursework
(2025) Physics Education, 60 (2), art. no. 025022

Carreño M.J., Sepúlveda J., Tecpan S., Hernández C., Herrera F.
An instrument-free demonstration of quantum key distribution for high-school students
(2019) Physics Education, 54 (6), art. no. 065006

Mart T.
How do I introduce Schrödinger equation during the quantum mechanics course?
(2021) Physics Education, 56 (2), art. no. 025012

Williams H.
SEM for conductive and non-conductive specimens
(2021) Physics Education, 56 (5), art. no. 055034

Gordon M., Gordon G.
Quantum computer games: Schrödinger cat and hounds
(2012) Physics Education, 47 (3), pp. 346 - 354

Schirripa Spagnolo G., Postiglione A., De Angelis I.
Simple equipment for teaching internal photoelectric effect
(2020) Physics Education, 55 (5), art. no. 055011

Quincey P.
Planck's constant as a natural unit of measurement
(2013) Physics Education, 48 (5), pp. 597 - 600

Li S., Xia Y., Jin M.
Revisiting the probabilistic nature of quantum mechanics by single photon interference experiments
(2025) Physics Education, 60 (4), art. no. 045018

Reyes Martín H., García González J.M.
Snow white, the seven dwarfs and the photoelectric effect
(2024) Physics Education, 59 (1), art. no. 015010

Summers M.K.
A quantum mechanics experiment for the undergraduate laboratory
(1978) Physics Education, 13 (1), art. no. 002, pp. 22 - 27

Tóth K., Tél T.
Quantum uncertainty: what to teach?

(2023) *Physics Education*, 58 (2), art. no. 025019

Montagnani S., Stefanel A., Chiofalo M.L.M., Santi L., Michelini M.
An experiential program on the foundations of quantum mechanics for final-year high-school students

(2023) *Physics Education*, 58 (3), art. no. 035003

Cuppari A., Rinaudo G., Robutti O., Violino P.
Gradual introduction of some aspects of quantum mechanics in a high school curriculum
(1997) *Physics Education*, 32 (5), pp. 302 - 308

Kamiński P.
It all began with h —a century of quantum mechanics: from Planck to today's quantum technologies

(2026) *Physics Education*, 61 (2), art. no. 025009

Low A.M.
Space-time is doomed! Introducing Planck scale physics in the classroom
(2024) *Physics Education*, 59 (1), art. no. 015013

Gorard J.
Deriving the time-independent Schrödinger equation
(2016) *Physics Education*, 51 (6), art. no. 063003

Singh I., Khun K.K.
Teaching the concept of uncertainty principle by simulating wave packet for a localized particle
(2025) *Physics Education*, 60 (4), art. no. 045021

Krijtenburg-Lewerissa K., Pol H., Brinkman A., Van Joolingen W.
Prior knowledge of potential energy and the understanding of quantum mechanics
(2020) *Physics Education*, 57 (2), art. no. 025012

Hadzidaki P., Kalkanis G., Stavrou D.
Quantum mechanics: A systemic component of the modern physics paradigm
(2000) *Physics Education*, 35 (6), pp. 386 - 392

Walsh J.A., Fenech M., Tucker D.L., Riegler-Crumb C., La Cour B.R.
Piloting a full-year, optics-based high school course on quantum computing
(2020) *Physics Education*, 57 (2), art. no. 025010

Azadboni F.K., Zarei M.
Identifying and comparing misconceptions about atoms and molecules among students and student teachers
(2026) *Physics Education*, 61 (1), art. no. 015045