Review of articles for FY2M class
J. Erhart

Scopus – **electromagnetic waves**

Agliolo Gallitto, A.A.
Experimental investigation of the randomness of the coherer effect in granular conducting materials
(2025) Physics Education, 60 (3), art. no. 035028

Grebenev, I.V., Kazarin, P.V.
A demonstration experiment to study the properties of standing electromagnetic waves
(2025) Physics Education, 60 (1), art. no. 015021

Riggs, P.J.
Optical transmission and refraction at the atomic level
(2024) Physics Education, 59 (6), art. no. 065009

Alencar, T.V.
Arduino-based investigation of transmission lines and impedance matching
(2024) Physics Education, 59 (5), art. no. 055018

Helseth, L.E.
Transmission of electromagnetic waves from a plasma globe to a light emitting diode
(2023) Physics Education, 58 (4), art. no. 043001

Riccardi, P., Prete, G., Chiappetta, F., Meringolo, C.
Wireless at its origin
(2023) Physics Education, 58 (1), art. no. 015024

Siu, L.Y., Leung, H.T.A.
Hands-on activity using the amplitude and frequency of electromagnetic waves to demonstrate the principle of information transfer
(2022) Physics Education, 57 (6), art. no. 065019

Woźniak, E., Gabryszewski, R., Dziob, D.
Remote sensing and electromagnetic wave behaviour to measure vegetation phenology with physics
(2020) Physics Education, 55 (4), art. no. 045012

Sanmathi, G.S., Vedavathi, P., Doddamani, V.H., Raveesha, K.H.
Displacement currents-class room demonstration
(2020) Physics Education, 55 (3), art. no. 033009

Saparullah, Purwanto, A., Wisnuwijaya, R.I., Sari, E.K., DWANDARU, W.S.B.
Non-contact temperature measurement based on Wien's displacement law using a single webcam in the infrared spectrum region
(2020) Physics Education, 55 (2), art. no. 025017

Fitzgerald, B.W.
Exploring the electromagnetic spectrum with superheroes
(2019) Physics Education, 54 (1), art. no. 015019

Bozzo, G., Bonanno, A., Sapia, P.
A 'sparkling' low-cost revisitation of the historical Hertz's experiment
(2017) Physics Education, 52 (1), art. no. 013005

Kneubil, F.B., Loures, M.V.R., Amado, W.
An apparatus for constructing an electromagnetic plane wave model
(2015) Physics Education, 50 (4), art. no. 416, pp. 416 - 423

Kawalec, T.
Should we bother with the speed of light in everyday life? A closer look at GSM technology
(2012) Physics Education, 47 (5), pp. 579 - 583

Straulino, S., Orlando, A.
A simple radio receiver aids understanding of wireless communication
(2012) Physics Education, 47 (2), pp. 211 - 219

Esposito, S.
Can sunlight shift the Earth onto a different orbit?
(2011) Physics Education, 46 (5), pp. 604 - 606

French, M.M.J.
A mobile phone Faraday cage
(2011) Physics Education, 46 (3), pp. 290 - 293

Bochníček, Z.
Why can we see visible light?
(2007) Physics Education, 42 (1), art. no. 002, pp. 37 - 40

Mak, M.
Electromagnetic waves: Measuring the speed of a radio wave: The standing-wave method
(2004) Physics Education, 39 (6), pp. 464 - 466

Vollmer, M.
Physics of the microwave oven
(2004) Physics Education, 39 (1), pp. 74 - 81

Gupta, O.P.
The Doppler effect: A unified approach for sound and light waves
(1996) Physics Education, 31 (6), pp. 351 - 355

Nicholl, B.
Electromagnetic and sound waves in underground detection
(1982) Physics Education, 17 (6), art. no. 001, pp. 260 - 262

Morton, N.
An introduction to the Poynting vector

(1979) Physics Education, 14 (5), art. no. 004, pp. 301 - 304

Reid, J.S.
Phonons, atoms and waves
(1977) Physics Education, 12 (4), art. no. 005, pp. 233 - 237

Chaundy, D.C.F.
An experimental introduction to electromagnetic radiation
(1967) Physics Education, 2 (2), art. no. 302, pp. 74 - 80

Sanders, J.C., Colvin, V.C., Ganguly, S., Howell, C.E., Lee, E.S., Magar, S.T., Johnson, N.A.
Adherence to and Deviation from the Inverse-Square Law of Intensity for Sound and Light
(2023) Physics Teacher, 61 (5), pp. 374 - 377

Vieyra, R.E., López, R.
Physics in a Space Science Context: Learning Sequences to Teach Electromagnetic Waves and Fields
(2023) Physics Teacher, 61 (5), pp. 364 - 367

Morris, S.L.
Electromagnetic Waves and Poynting Vectors with Easy-to-Use Components
(2022) Physics Teacher, 60 (6), pp. 496 - 497

Dieguez, G., Karpenkopf, J., Labrador, A., Gimenez, L., Guerra, J., Fulton, J., Walecki, W.J.
Wave Reflections in a Circular Ripple Tank
(2021) Physics Teacher, 59 (7), pp. 556 - 559

Lincoln, J.
An improved technique for visualizing microwave wavelengths in microwave ovens
(2019) Physics Teacher, 57 (4), pp. 271

Henrich, V.E.
Motivating Non-science Majors: The Technology of Electromagnetic Waves
(2018) Physics Teacher, 56 (1), pp. 29 - 31

Monteiro, M., Stari, C., Cabeza, C., Martí, A.C.
The polarization of light and Malus' law using smartphones
(2017) Physics Teacher, 55 (5), pp. 264 - 266

Rayner, J.
Using a cell phone to investigate the skin depth effect in salt water
(2017) Physics Teacher, 55 (2), pp. 83 - 86

Abdul-Razzaq, W.
Cell phone RF radiation
(2015) Physics Teacher, 53 (4), pp. 236 - 237

Rojo, M., Muñoz, J.
"Hearing"electromagnetic waves
(2014) Physics Teacher, 52 (9), pp. 554 - 556

Sugimoto, N.
Looking for radio waves with a simple radio wave detector
(2011) Physics Teacher, 49 (8), pp. 514 - 515

Allred, C.L., Della-Rose, D.J., Flusche, B.M., Kiziah, R.R., Lee, D.J.
Explaining electromagnetic plane waves in a vacuum at the introductory level
(2010) Physics Teacher, 48 (3), pp. 173 - 175

Saba, M.F., Rosa, R.A.S.
Measuring distances with walkie-talkies
(2005) Physics Teacher, 43 (4), pp. 204 - 205

Mak, S.-Y.
From electromagnetic induction to electromagnetic radiation
(2000) Physics Teacher, 38 (7), pp. 428 - 429

Brown, M.H.
Electromagnetic waves broadcast by a VCR
(1996) Physics Teacher, 34 (3), pp. 152 - 154