Review of articles for FY2M class
J. Erhart

Scopus – **fluids**

I., Aviani, Ivica, N., Erceg, Nataša
Measuring g using buoyancy: a simple and accurate method for high-school physics lab
(2025) Physics Education, 60 (5), art. no. 055015

S., Landi, Salmon
Displaced volume versus submerged volume in the floating of a solid
(2025) Physics Education, 60 (1), art. no. 015020

A., Matsutani, Akihiro
Observation of gas flow around plants using Schlieren imaging system and high-refractive-index gas
(2024) Physics Education, 59 (4), art. no. 045013

Y., Wei, Yajun, X., Chen, Xiaotong, W., Luo, Wanrong, Q., Zou, Qingsong, X., Zhang, Xiaopan
Innovative flight control explanation and demonstration: bridging theory and practice in secondary education
(2024) Physics Education, 59 (3), art. no. 035017

M.S., Singh, Mamraj Sanjoy, D., Puri, Dinesh, N., Jakhar, Narendra
Motion of a sphere in a viscous fluid under controlled acceleration
(2024) Physics Education, 59 (1), art. no. 015012

F.A., Orjuela, Fredy A., J.E., Garciá-Farieta, Jorge Enrique, H.J., Hortúa, Héctor J., E., Munévar, E.
A comprehensive modelling and experimental approach for damped oscillations in U-tubes via Easy JavaScript Simulations
(2023) Physics Education, 58 (5), art. no. 055007

V.V., Ivchenko, Vladimir V.
The butterfly effect: a rising bubble in an enclosed volume
(2023) Physics Education, 58 (3), art. no. 035026

E., Giulotto, Enrico, M., Malgieri, Massimiliano
Suggestions on the teaching of atmospheric pressure at university and secondary school levels
(2022) Physics Education, 57 (6), art. no. 065022

H.E., Mohottala, Hashini E., B., Higgins, Brent
Ideal gas law and fluid dynamics simulation: characterizing an air bubble rising from the bottom of a lake
(2022) Physics Education, 57 (5), art. no. 055034

S., Oss, Stefano
Making jets of air visible in the infrared
(2022) Physics Education, 57 (4), art. no. 043001

R., Maungchang, Rasimate, P., Dam-O, Punsiri
Physics meets mathematics: A dam model
(2021) Physics Education, 56 (5), art. no. 055009

A., Wadhwa, Ajay
Study of fluid motion in different configurations and temperatures
(2021) Physics Education, 56 (4), art. no. 045009

A.L., de Oliveira, Alexandre Lopes, V.L.B.D., de Jesus, Vitor L.B.D., D.G., Sasaki, D. G.G.
Video analysis of the fall and vertical downward launch of Styrofoam balls with air drag
(2021) Physics Education, 56 (4), art. no. 045005

M.G., Nugraha, Muhamad Gina, U., Purwana, U., S., Parwati, S., K.H., Kirana, Kartika Hajar
Homemade experiment for understanding the fluid continuity principle
(2021) Physics Education, 56 (3), art. no. 035013

F., Savall-Alemany, Francisco, M., Esparza-García, M., S., Rosa-Cintas, Sergio, J., Martínez-Torregrosa, Joaquín
The construction of a water clock: A proposal for teaching fluid physics in introductory courses
(2021) Physics Education, 56 (3), art. no. 033004

A., Agliolo Gallitto, Aurelio, R., Zingales, Roberto, O.R., Battaglia, Onofrio Rosario, C., Fazio, Claudio
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(2021) Physics Education, 56 (2), art. no. 025007

E.A., Lima, E. A., R.S., Dutra, R. S., P.V.S., Souza, Paulo Victor Santos
Studying the Oobleck with video-analysis
(2020) Physics Education, 55 (4), art. no. 045021

T., Tél, Tamás, M., Vincze, Miklós, I.M., Jánosi, Imre Miklós
Vortices capturing matter: a classroom demonstration
(2020) Physics Education, 55 (1), art. no. 015007

L.A., Baker, Lewis A., A.M., Taylor, Alison M.
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(2019) Physics Education, 54 (6), art. no. 063004

P.R., Espindola, Paulo Renato, C.R., Cena, Cícero Rafael, D.C., Alves, Diego C.B., D.F., Bozano, Doroteia F., A.M., Goncalves, A. M.B.
Use of an Arduino to study buoyancy force
(2018) Physics Education, 53 (3), art. no. 035010

R., Holubová, Renata
Physics of non-Newtonian fluids and interdisciplinary relations (biology and criminology)
(2018) Physics Education, 53 (2), art. no. 025002

E., Benedetto, Elmo

Melting ice
(2018) Physics Education, 53 (1), art. no. 013002

G.U., Unal Coban, Gul Ual, A., Büber, Ayse, M.K., Sağlam, Merve Kocagül
Revisiting the 'unmixing experiment' through argumentation
(2017) Physics Education, 52 (5), art. no. 055009

J.T., Fingerut, Jonathan T., N., Johnson, Nicholas, E., Mongeau, Eric, P., Habdas, Piotr
The effect of shape on drag: A physics exercise inspired by biology
(2017) Physics Education, 52 (4), art. no. 045025

G., Pahwa, Gantavya, R.G., Pingali, Rushil G., A.K., Khubchandani, Aashish K., E., Roy, Ekansh, R.R., Mudaliyar, Roshni R., R.P., Mudaliyar, Rajesh P.
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(2017) Physics Education, 52 (3), art. no. 035008

B., Stojadinović, Bojana, Z., Nestorović, Zorica, B., Djurić, Biljana, T., Tenne, Tamar, D., Zikich, Dragoslav, D.D., Žikić, Dejan D.
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(2017) Physics Education, 52 (2), art. no. 025001

S.V., Kontomaris, Stylianos Vasileios, A., Malamou, Anna
A simple explanation of the classic hydrostatic paradox
(2016) Physics Education, 51 (4), art. no. 045010

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Classic Bernoulli's principle derivation and its working hypotheses
(2016) Physics Education, 51 (4), art. no. 045005

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Clarifying the misconception about the principle of floatation
(2014) Physics Education, 49 (5), pp. 523 - 525

M., Vollmer, Michael, K.P., Möllmann, Klaus Peter
Oscillating droplets and incompressible liquids: Slow-motion visualization of experiments with fluids
(2012) Physics Education, 47 (6), pp. 664 - 679

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(2012) Physics Education, 47 (4), pp. 403 - 408

T., López-Arias, Teresa, L.M., Gratton, Luigi Maria, G., Zendri, Giuliano, S., Oss, Stefano
Using jets of air to teach fluid dynamics
(2011) Physics Education, 46 (4), pp. 373 - 375

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(2011) Physics Education, 46 (3), pp. 294 - 297

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(2006) Physics Education, 41 (4), art. no. 005, pp. 323 - 327

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Fluid flow, Newton's second law and river rescue
(2006) Physics Education, 41 (2), pp. 137 - 143

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(2004) Physics Education, 39 (6), pp. 509 - 513

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(2000) Physics Education, 35 (4), pp. 284 - 286

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(1993) Physics Education, 28 (3), art. no. 006, pp. 164 - 169

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(1985) Physics Education, 20 (2), art. no. 307, pp. 61 - 65

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(1985) Physics Education, 20 (3), art. no. 310, pp. 120 - 123

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(1979) Physics Education, 14 (7), art. no. 004, pp. 432 - 436

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(1977) Physics Education, 12 (5), art. no. 006, pp. 300 - 303

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(1977) Physics Education, 12 (4), art. no. 008, pp. 244 - 245

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A misinterpretation of Bernoulli's theorem
(1977) Physics Education, 12 (5), art. no. 008, pp. 311 - 312

A.A., Collyer, Anthony A.
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(1974) Physics Education, 9 (1), art. no. 010, pp. 38 - 44

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(1974) Physics Education, 9 (5), art. no. 306, pp. 313 - 321

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(1973) Physics Education, 8 (5), art. no. 009, pp. 333 - 338

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(1968) Physics Education, 3 (3), art. no. 307, pp. 139 - 147

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Virtual fluid labs and experiments
(2025) Physics Teacher, 63 (5), pp. 384 - 385

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Understanding Elementary Fluid Dynamics with a Hydraulic Pipe, a Vacuum Cleaner, and a Smartphone-Based Manometer
(2025) Physics Teacher, 63 (5), pp. 355 - 358

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A Fluid Dynamics Experiment for Introductory Physics
(2025) Physics Teacher, 63 (3), pp. 177 - 180

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Fluid experiments with a U-tube or U-shaped density manometer
(2025) Physics Teacher, 63 (3), pp. 218 - 219

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A Simple and Cost-Effective Fluid Dynamics Apparatus to Engage Students in the Classroom and Laboratory
(2024) Physics Teacher, 62 (5), pp. 330 - 334

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(2024) Physics Teacher, 62 (2), pp. 110 - 112

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A Tool for Exploring Our Fluid Earth
(2023) Physics Teacher, 61 (6), pp. 432 - 435

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(2023) Physics Teacher, 61 (2), pp. 138 - 139

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(2022) Physics Teacher, 60 (7), pp. 612 - 613

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A Fresh Look at the Young-Laplace Equation and Its Many Applications in Hydrostatics
(2022) Physics Teacher, 60 (5), pp. 358 - 361

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(2022) Physics Teacher, 60 (2), pp. 137 - 139

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Teach Poiseuille First - A Call for a Paradigm Shift in Fluid Dynamics Education
(2021) Physics Teacher, 59 (7), pp. 552 - 555

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(2021) Physics Teacher, 59 (7), pp. 569 - 572

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(2021) Physics Teacher, 59 (5), pp. 310 - 312

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(2021) Physics Teacher, 59 (2), pp. 125 - 127

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(2020) Physics Teacher, 58 (4), pp. 230 - 233

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A Simple Model for the Calculation of the Fluid Discharge from a Small Orifice
(2020) Physics Teacher, 58 (2), pp. 113 - 115

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(2020) Physics Teacher, 58 (2), pp. 84 - 85

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Fluids Demonstrations II: Bubbles in Mondrian Painting, Eruption-Like Flow, Rotational Instability, and Wake Vortices
(2019) Physics Teacher, 57 (9), pp. 600 - 603

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(2019) Physics Teacher, 57 (2), pp. 106 - 108

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(2018) Physics Teacher, 56 (9), pp. 616 - 617

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An Inexpensive Apparatus for Classroom Visualization of the Lift on Airplane Wings
(2018) Physics Teacher, 56 (9), pp. 612 - 613

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(2018) Physics Teacher, 56 (4), pp. 248 - 252

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(2017) Physics Teacher, 55 (9), pp. 555 - 557

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(2017) Physics Teacher, 55 (2), pp. 87 - 90

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(2016) Physics Teacher, 54 (3), pp. 153 - 155

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(2016) Physics Teacher, 54 (2), pp. 106 - 107

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(2016) Physics Teacher, 54 (2), pp. 103 - 105

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(2016) Physics Teacher, 54 (1), pp. 9 - 13

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(2015) Physics Teacher, 53 (3), pp. 169 - 173

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(2015) Physics Teacher, 53 (1), pp. 10 - 12

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(2015) Physics Teacher, 53 (1), pp. 29 - 31

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(2013) Physics Teacher, 51 (2), pp. 96 - 97

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(2013) Physics Teacher, 51 (1), pp. 32 - 34

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(2012) Physics Teacher, 50 (9), pp. 537 - 539

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(2011) Physics Teacher, 49 (3), pp. 175 - 179

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(2011) Physics Teacher, 49 (3), pp. 144 - 146

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(2010) Physics Teacher, 48 (9), pp. 582 - 586

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(2010) Physics Teacher, 48 (5), pp. 292 - 295

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(2010) Physics Teacher, 48 (2), pp. 96 - 100

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(2009) Physics Teacher, 47 (8), pp. 528 - 530

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(2006) Physics Teacher, 44 (1), pp. 46 - 47

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(2005) Physics Teacher, 43 (6), pp. 338 - 339

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(2004) Physics Teacher, 42 (9), pp. 522 - 525

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(2004) Physics Teacher, 42 (5), pp. 292 - 294

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(2004) Physics Teacher, 42 (5), pp. 296 - 299

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(2000) Physics Teacher, 38 (8), pp. 458 - 460

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(2000) Physics Teacher, 38 (4), pp. 232 - 233