

Review of articles for FY1M class
J. Erhart

Scopus – rigid body, angular momentum

Nässén N., Nässén H.-I., Pendrill A.-M.
Arcs on speedskating straightaways: forces, energy and angular momentum
(2023) Physics Education, 58 (1), art. no. 015013

Espinosa J.A., Ribas F., Lusquios F.
Challenge on conservation of angular momentum
(2020) Physics Education, 57 (2), art. no. 025005

Pendrill A.-M.
Balls rolling down a playground slide: What factors influence their motion?
(2020) Physics Education, 56 (1), art. no. 015005

Mungan C.E.
The rotational rocket
(2023) Physics Education, 58 (3), art. no. 033001

Cross R.
Spinning eggs and ballerinas
(2013) Physics Education, 48 (1), pp. 51 - 56

Cross R.
Observations of two spherical magnets spinning around each other
(2025) Physics Education, 60 (3), art. no. 033007

Williams H.
Dynamics of the flip long jump
(2024) Physics Education, 59 (1), art. no. 015027

Mayer V.V., Varaksina E.I.
Unipolar motor and angular momentum conservation law
(2017) Physics Education, 52 (4), art. no. 043004

Wibowo E., Ulya N., Marwoto P., Suwandi, Suproyogi
The dynamics of Lato Lato ball collisions
(2024) Physics Education, 59 (5), art. no. 055002

Yıldırım F., Sezgin Selçuk G.
Indicating the direction in conservation of angular momentum
(2024) Physics Education, 59 (3), art. no. 035005

Owen V.A., Whiting J.S.S.
The physics of some dance movements
(1989) Physics Education, 24 (3), art. no. 303, pp. 128 - 132

Tanel R., Büyükdede M., Çoban A.

Using fidget spinners in teaching some physics concepts

(2019) Physics Education, 54 (3), art. no. 035012

Cross R.

Precession of a ball rolling in a circular path

(2022) Physics Education, 57 (4), art. no. 045036

Dean K., Demir F.

Pythagorean triangles analysis of the conical pendulum based on lengths, forces and times, to obtain equations for the principal physical parameters

(2019) Physics Education, 54 (4), art. no. 045018

Lira J.A.

How to stabilize a satellite using the principle of conservation of angular momentum

(2025) Physics Education, 60 (3), art. no. 035015

Heck A., van Baarsen S., Heinzel J.W., Mooldijk A., van Veen N.

Splashing physics of springboard diving

(2025) Physics Education, 60 (2), art. no. 025004

Wadhwa A.

Understanding rotational motion using motor-assisted fidget spinner

(2019) Physics Education, 54 (3), art. no. 035003

Lee F.X.

The ballistic pendulum experiment reimaged for rotational motion

(2025) Physics Education, 60 (2), art. no. 025001

De Almeida P.A., Onisaki H., De Almeida J.T., Costa L.C., Brockington G.

Fidget spinner and the principle of conservation of angular momentum: a 3D-print demonstration model

(2020) Physics Education, 55 (1), art. no. 015015

Lindén J.

Demonstrating the vector character of angular momentum using a tandem fidget spinner

(2018) Physics Education, 53 (2), art. no. 023004

Dean K., Demir F., Bouchalkha A.

Principal physical parameters of the conical pendulum calculated directly from the orbital period

(2020) Physics Education, 55 (2), art. no. 025001

Dunning R.B.

How fast can you go on a bicycle?

(2009) Physics Education, 44 (4), pp. 374 - 378

Abdul-Razzaq W., Golubović L.

Demonstrating the conservation of angular momentum using model cars moving along a rotating rod

(2013) Physics Education, 48 (1), pp. 42 - 50

Robinson S.J.

Connecting the mathematical and conceptual views of angular momentum

(2014) Physics Education, 49 (2), pp. 144 - 148

Jakeways R.

Towards an understanding of gyroscopic motion

(1968) Physics Education, 3 (2), art. no. 307, pp. 79 - 82

Jain P.

Energy loss while conserving angular momentum

(2012) Physics Education, 47 (5), pp. 518 – 520

Van Hook S., Lark A., Hodges J., Celebrezze E., Channels L.

Playground physics: Determining the moment of inertia of a merry-go-round

(2007) Physics Teacher, 45 (2), pp. 85 - 87

Kaplan H., Hirsch A.

Gyroscopic motion: Show me the forces!

(2014) Physics Teacher, 52 (1), pp. 30 - 33

Nettles B.

Energy and the elliptical orbit

(2009) Physics Teacher, 47 (3), pp. 163 - 166

Ayars E., Goff T., Williams K.

Things One Can Learn by Putting a Quadcopter in a Vacuum Chamber

(2018) Physics Teacher, 56 (5), pp. 317 - 319

Gluck P.

MBL experiment in angular momentum

(2002) Physics Teacher, 40 (4), pp. 230 - 234

De Jesus V.L.B., Sasaki D.G.G.

A Simple Experiment to Determine the Moments of Inertia of the Fidget Spinner by Video Analysis

(2018) Physics Teacher, 56 (9), pp. 639 - 642

Zhiqiang Y., Wei Q., Zhu X.Y., Tao J., Zhu X.F.

Using a Telescopic Ball and a Smartphone to Investigate the Conservation of Angular Momentum

(2025) Physics Teacher, 63 (5), pp. 359 - 363

DeWeerd A., Hill E.

Conservation of Angular Momentum with a 3D-Printed Launcher

(2024) Physics Teacher, 62 (5), pp. 340 - 341

Monteiro M., Cabeza C., Marti A.C.

Rotational energy in a physical pendulum

(2014) Physics Teacher, 52 (3), pp. 180 - 181

DeWeerd A.J., Hill E.

Conservation of Angular Momentum with Slightly Modified Commercial Apparatuses

(2023) Physics Teacher, 61 (8), pp. 680 - 681

Polley J.P.

An Inexpensive Apparatus to Study Conservation of Angular Momentum in the Introductory Laboratory

(2021) Physics Teacher, 59 (6), pp. 426 - 427

Shakur A., Sinatra T.

Angular momentum

(2013) Physics Teacher, 51 (9), pp. 564 - 565

Van Hook S.J.

Battle of the merry-go-rounds: An angular momentum demonstration

(2006) Physics Teacher, 44 (5), pp. 304 - 307

Mott D.L.

Demonstrating conservation of angular momentum

(2005) Physics Teacher, 43 (8), pp. 552

Cortel A.

Trick of the trade: Conservation of angular momentum with a plastic dish

(2004) Physics Teacher, 42 (2), pp. 122

Jewett J.W., Jr.

Angular momentum activities using a carpenter's measuring tape

(2013) Physics Teacher, 51 (9), pp. 568 - 569

Boutinguiza M., Lusquiños F.

Simple experimental setup to consolidate the angular momentum concept

(2011) Physics Teacher, 49 (7), pp. 456

Altshuler K., Pollock P.

Inexpensive rotating-arm device for angular-motion labs

(1998) Physics Teacher, 36 (7), pp. 424 - 425

Carr R., Cohen H., Ragsdale T.

Demonstrating angular momentum conservation

(1999) Physics Teacher, 37 (3), pp. 169 - 171

Dail S.

Trick of the trade: Angular momentum demo using magnetic neodymium spheres

(2006) Physics Teacher, 44 (6), pp. 391