

YerPhi Best Publications Competition - 2016

November 15, 2016

YerPhi held a competition for the best scientific articles written by YerPhi scientists and published in high ranking refereed scientific journals by YerPhi in 2016. The goal is simply to encourage and reward good scientific publication. A special committee of the YerPhi Scientific Council selected the winners after reviewing their articles and listening to the presentations about the main topic of the publication. Five winners were selected and rewarded with certificates and monetary prizes.

- Alahverdyan Armen, Babajanyan Sanasar, Martirosyan Narek, - “Adaptive Heat Engine” PHYSICAL REVIEW LETTERS Volume: 117 Issue: 3 Article Number: 030601
Published: JUL 11 2016
- Poghosyan Rubik, Poghosyan Gabriel, - “VEV of Baxter's Q-operator in N=2 gauge theory and the BPZ differential equation” JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 058 Published: NOV 9 2016
- Chilingarian Ashot, Hovsepyan Gagik, Mnatsakanyan Eduard, - “Mount Aragats as a stable electron accelerator for atmospheric high-energy physics research” PHYSICAL REVIEW D Volume: 93 Issue: 5 Article Number: 052006
- Poghosov Valery, Gulqanyan Hrant, Ayvazyan G.M., Poghosyan Levon, - “Search for rare decay modes of Californium” J.Contemp.Phys. 51 (2016) no.1, 1-9, Izv.Akad.Nauk Arm.SSR Fiz. 51 (2016) no.1, 3-14
- Minasyan Hayk, - “One-step Solution Processing of Ag, Au and Pd@MXene Hybrids for SERS” SCIENTIFIC REPORTS Volume: 6 Article Number: 32049 Published: AUG 25 2016

Seven more papers that were entered into the competition, received honorary mention and the authors were also encouraged by prizes and monetary bonuses:

- Ghavalayan Vasak, - “Synthesis and characterization of new chitosan-based Schiff base compounds” CARBOHYDRATE POLYMERS Volume: 145 Pages: 37-47
Published: JUL 10 2016
- Babujian Hrachya, - “Probing strong correlations with light scattering: Example of the quantum Ising model” PHYSICAL REVIEW B Volume: 94 Issue: 15 Article Number: 155156 Published: OCT 31 2016
- Mkrtchyan Hamlet, - “Precision Electron-Beam Polarimetry at 1 GeV Using Diamond Microstrip Detectors” PHYSICAL REVIEW X Volume: 6 Issue: 1 Article Number: 011013 Published: FEB 16 2016
- Gurzadyan Vahagn, Khachatryan Vahagn, Mirzoyan Sergey, - “A test of general relativity using the LARES and LAGEOS satellites and a GRACE Earth gravity model” EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 3 Published: MAR 4 2016
- Hovhannisyanyan Koryun, - “On some possibilities of Felwi realization” LASER PHYSICS LETTERS Volume: 13 Issue: 5 Article Number: 056001 Published: MAY 2016

- Aleksanyan Eduard, - "Recombination luminescence of Cu and/or Ag doped lithium tetraborate single crystals" JOURNAL OF LUMINESCENCE Volume: 177 Pages: 9-16 Published: SEP 2016
- Shahinyan Albert, - "Measurements of $d(2)(n)$ and $A(1)(n)$: Probing the neutron spin structure" PHYSICAL REVIEW D Volume: 94 Issue: 5 Article Number: 052003 Published: SEP 6 2016