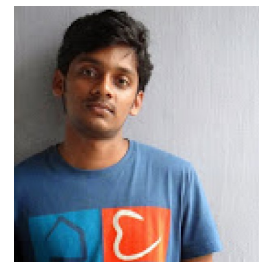


Aravind Puthirath Balan
Research Only
CEAS - Academic & Research



Overview

Puthirath Balan Aravind is currently a Postdoctoral Research Associate of the Department of Chemical Engineering and Analytical Sciences at The University of Manchester, United Kingdom. His research interests are mainly in the frontier areas of materials science, especially on magnetism in two-dimensional materials.

Qualifications

Doctor of Philosophy, Cochin University of Science & Technology
7 Feb 2014 → 27 Mar 2019
Award Date: 30 Jul 2019

Universität Augsburg
1 Oct 2017 → 30 Nov 2017

Rice University
26 Sep 2016 → 20 Mar 2017

Employment

Research Associate

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CEAS - Academic & Research
The University of Manchester
12 Nov 2019 → present

Research outputs

Bistability of magnetic states in Fe-Pd nanocap arrays

Aravind, P. B., Heigl, M., Fix, M., Groß, F., Gräfe, J., Mary, A., Rajgowrav, C. R., Krupiński, M., Marszałek, M., Thomas, S., Anantharaman, M. R. & Albrecht, M., 23 Jul 2019, In: Nanotechnology.
DOI: 10.1088/1361-6528/ab2d7f

Magnetic Properties and Photocatalytic Applications of 2D Sheets of Nonlayered Manganese Telluride by Liquid Exfoliation

Balan, A. P., Radhakrishnan, S., Neupane, R., Yazdi, S., Deng, L., Reyes, C. A. D. L., Apte, A., Puthirath, A. B., Rao, B. M., Paulose, M., Vajtai, R., Chu, C-W., Martí, A. A., Varghese, O. K., Tiwary, C. S., Anantharaman, M. R. & Ajayan, P. M., 26 Nov 2018, In: ACS Applied Nano Materials.
DOI: 10.1021/acsanm.8b01642

A Non-van der Waals Two-Dimensional Material from Natural Titanium Mineral Ore Ilmenite

Balan, A. P., Radhakrishnan, S., Kumar, R., Neupane, R., Sinha, S. K., Deng, L., Reyes, C. A. D. L., Apte, A., Rao, B. M., Paulose, M., Vajtai, R., Chu, C. W., Costin, G., Martí, A. A., Varghese, O. K., Singh, A. K., Tiwary, C. S., Anantharaman, M. R. & Ajayan, P. M., 11 Sep 2018, In: Chemistry of Materials.
DOI: 10.1021/acs.chemmater.8b01935

Exfoliation of a non-van der Waals material from iron ore hematite

Balan, A. P., Radhakrishnan, S., Woellner, C. F., Sinha, S. K., Deng, L., Reyes, C. D. L., Rao, B. M., Paulose, M., Neupane, R., Apte, A., Kochat, V., Vajtai, R., Harutyunyan, A. R., Chu, C-W., Costin, G., Galvao, D. S., Martí, A. A., Aken, P. A. V., Varghese, O. K., Tiwary, C. S. & 2 others, Iyer, A. M. M. R. & Ajayan, P. M., 7 Jul 2018, In: Nature Nanotechnology.
DOI: 10.1038/s41565-018-0134-y

