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### Papers in Journals

1. M Peymannia , K Gharanjig , AM Arabi, New engineered and environmentally friendly dye-sensitized solar cells: Efficient extraction of dyes from Cytisus, Alcea rosea, and Roselle, *International Journal of Energy Research*, Vol. 44, pp. 309-324, 2020.
2. H Aliasghari , AM Arabi , H Haratizadeh, A novel approach for solution combustion synthesis of tungsten oxide nanoparticles for photocatalytic and electrochromic applications, *Ceramics International*, pp. 403-414, 2020.
3. Acid-modification and praseodymium loading of halloysite nanotubes as a corrosion inhibitor, *Applied Clay Science*, pp. 105355, 2020.
4. The active corrosion performance of silane coating treated by praseodymium encapsulated with halloysite nanotubes, *Progress in Organic Coatings*, pp. 105404, 2019.
5. MM Golsheikh , AM Arabi , MS Afarani, Microwave assisted combustion synthesis of photoluminescent ZnAl<sub>2</sub>O<sub>4</sub>: Eu nano powders, *Materials Research Express*, pp. 125052, 2019.
6. A Azodi , AM Arabi , MS Afarani, Surface modification of carbon nanotubes for the synthesis of CNTs/ZnS quantum dot composites via electrophoretic deposition route, *Materials Research Express*, pp. 125021, 2019.
7. Fatemeh Piri , Mahdi Shafiee Afarani , Amir Masoud Arabi, Synthesis of copper oxide quantum dots: effect of surface modifiers, *Materials Research Express*, pp. 125006, 2019.
8. Studying the toxicity effects of coated and uncoated NaLuF<sub>4</sub>: Yb<sup>3+</sup>, Tm<sup>3+</sup> upconversion nanoparticles on blood factors and histopathology for Balb/C mice's tissue, *Materials Research Express*, pp. 125421, 2019.
9. H Ahmadian , F Al Hessari , AM Arabi, Preparation and characterization of Luminescent nanostructured Gd<sub>2</sub>O<sub>3</sub>-Y<sub>2</sub>O<sub>3</sub>:Eu synthesized by the solution combustion process, *Ceramics International*, pp. 18778-18787, 2019.
10. Fateme Asadi , Ali Jannesari , Amir Masoud Arabi, Epoxy siloxane/ZnO quantum dot nanocomposites: Model-fitting and model-free approaches to kinetic analysis of non-isothermal curing process, *Progress in Organic Coatings*, pp. 270-280, 2019.
11. H Aliasghari , AM Arabi , H Haratizadeh, Microwave-Assisted Solution Combustion Synthesis of WO<sub>3</sub> Nanoparticles: Optical and Colorimetric Characteristics, *Advanced ceramic progress*, pp. 36-46, 2019.
12. Majid Zahiri , Mahdi Shafiee Afarani , Amir Masoud Arabi, Combustion Synthesis of ZnO/ZnS Nanocomposite Phosphors, *Journal of Fluorescence*, pp. 1227-1239, 2019.
13. Alireza Naeimi , Amir Masoud Arabi , Vahide Merajifar, A novel approach to the synthesis of Zn<sub>2</sub>SiO<sub>4</sub>:Mn luminescent nanoparticles, *Journal of Materials Science: Materials in Electronics*

volume,pp. 9123–9132,2019.

14. Mozhgan Shahmirzaee , Mahdi Shafiee Afarani , Ahmad Iran Nejjad , Amir Masoud Arabi,Microwave-assisted combustion synthesis of ZnAl<sub>2</sub>O<sub>4</sub> and ZnO nanostructure particles for photocatalytic wastewater treatment,Particulate Science and Technology,Vol. 37,pp. 110-117,2019.