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Papers in Conferences

1. حسنا سلیمانی،محمد مهدی ابوالحسنی، محمد نورمحمدی، محسن اشجاری ,Preparation of PVDF nanowire by Infiltration Method into Alumina Nanopores ,13th International Seminar on Polymer Science and Technology (ISPST 2018) ,2018/11/19.
2. M. Ahmadzadeh , M . Almasi Kashi , M . noormohammadi ,Fabrication of highly ordered CoFe nanowires arrays via selenic acid anodizing ,7th International Congress on Nanoscience and Nanotechnology ,2018 09 26.
3. Z.Chamanzadehb, M.Zahedifarab, M.Noormohammadia ,Investigation the effect of high anodization voltage on TiO2 nanotubes properties and application in dye sensitized solar cell ,7th International Congress on Nanoscience and Nanotechnology (ICNN2018) ,2018 09 26.
4. Z.Chamanzadehb, M.Zahedifarab, M.Noormohammadia ,Investigation the effect of ZnO nanoparticles decorated TiO2 nanotube arrays on the performance of dye sensitized solar cells ,7th International Conference on Nanostructures (ICNS7) ,2018 02 27.
5. زهره چمن زاده،مصطفی زاهدیفر، محمد نورمحمدی ,Fabrication of TiO2 nanotube arrays and enhanced performance of dye-sensitized solar cells with Free-Standing TiO2 membrane ,6th International congress on Nanoscience & Nanotechnology ,2016/10/26.
6. محمد نورمحمدی،محمد الماسی کاشی، عبد العلی رمضانی، سهیلا عباسی مفرد ,Controllable optical properties of photonic crystals based on nanoporous anodic alumina through pore widening and incident angle variation ,6th International Conference on Nanostructures (ICNS6) ,2016/03/07.
7. زهرا صباغ پورارانی، محمد نورمحمدی، عبد العلی رمضانی، محمد الماسی کاشی ,Optical transmission spectra of ordered nanoporous alumina films fabricated by Hard Anodization with different thicknesses ,و بیست دومین کنفرانس اپتیک و فوتونیک ایران و هشتمین کنفرانس مهندسی و فناوری فوتونیک ایران ,2016/01/26.
8. محمد الماسی کاشی، عبد العلی رمضانی،محمد نورمحمدی، سهیلا عباسی مفرد ,Photoluminescence properties modification of nanaoporous anodic alumina membrane through excitation wave length ,The 12th International Conference on Membrane Science and Technology (MST2015) ,2015/11/01.

Papers in Journals

1. محسن محمدعلی زاده، محمد الماسی کاشی،محمد نورمحمدی,Angular-dependent magnetic properties of chemically synthesized single crystalline Co nanowires,Materials Chemistry and Physics,pp. 125807,2022 02 05.
2. مهدیه احمدزاده ازناوه، محمد الماسی کاشی،محمد نورمحمدی، عبد العلی رمضانی,Self-ordered Porous Anodic Alumina Templates by a Combinatory Anodization Technique in Oxalic and Selenic Acids,Journal of Electronic Materials volume,Vol. 50,pp. 4787,2021 06 02.
3. مهدیه احمدزاده ازناوه، محمد الماسی کاشی،محمد نورمحمدی، عبد العلی رمضانی,Small-diameter magnetic and

metallic nanowire arrays grown in anodic porous alumina templates anodized in selenic acid,Applied Physics A volume,Vol. 127,pp. 450,2021 05 25.
4. Hosna Soleymani, Mohammad Noormohammadi, Mohammad Almasi Kashi, Morteza Hassanpour Amiri, Jasper J. Michels, Kamal Asadi, Mohammad Mahdi Abolhasani,Self-Poled Sausage-Like PVDF Nanowires Produced by Confined Phase Inversion as Novel Piezoelectric Nanogenerators,Advanced Materials Interfaces,Vol. 8,pp. 127,2021 01 06.
5. Mohammad Noormohammadi, Zahra Sabaghpour Arani, Abdolali Ramazani, Mohammad Almasi Kashi, Soheila Abbasi mofrada,Super-fast fabrication of self-ordered nanoporous anodic alumina membranes by ultra-hard anodization,Electrochimica Acta,Vol. 354,pp. 136766,2020 07 12.
6. Vajihe Asgari, Mohammad Noormohammadi, Abdolali Ramazani , Mohammad Almasi Kashi,The role of barrier layer temperature in the formation of long and small-diameter TiO2 nanotube arrays,Journal of Porous Materials volume,Vol. 27,pp. 1613,2020 07 08.
7. Vajihe Asgari, Mohammad Noormohammadi, Abdol ali Ramazani, Mohammad Almasi Kashi,A new approach to electropolishing of pure Ti foil in acidic solution at room temperature for the formation of ordered and long TiO2 nanotube arrays,Corrosion Science,Vol. 136,pp. 38-46,2018 5 15.
8. M.Arefpour, M.Almasi Kashi, F.Khansari Barzoki, M.Noormohammadi, A.Ramazani,Electrodeposited metal nanowires as transparent conductive electrodes: Their release conditions, electrical conductivity, optical transparency and chemical stability,Materials & Design,Vol. 157,pp. 326-336,2018 11 5.
9. Soheila Abbasi mofrad ,Mohammad Almasi Kashi ,Mohammad Noormohammadi, Abdolali Ramazani,Tuning the optical properties of nanoporous anodic alumina photonic crystals by control of allowed voltage range via mixed acid concentration,Elsevier Journal of Physics and Chemistry of Solids,Vol. 118,pp. 221-231,2018 1 1.
10. Z.Chamanzadehb, M.Noormohammadia, M.Zahedifarab,Self-organized and uniform TiO2 nanotube arrays with optimized NH4F concentration in electrolyte by high voltage electrochemical anodization,Materials Research Express,Vol. 5,pp. 055025,2018 05 16.
11. Vajihe Asgari, Mohammad Noormohammadi, Abdol ali Ramazani, Mohammad Almasi Kashi,A facile method to form highly-ordered TiO2 nanotubes at a stable growth rate of 1000 nm min−1 under 60 V using an organic electrolyte for improved photovoltaic properties,Journal of Physics D: Applied Physics,Vol. 50,pp. 375501,2017 8 24.
12. Z.Chamanzadehb, M.Noormohammadia, M.Zahedifarab,Enhanced photovoltaic performance of dye sensitized solar cell using TiO2 and ZnO nanoparticles on top of free standing TiO2 nanotube arrays,Materials Science in Semiconductor Processing,Vol. 61,pp. 107-113,2017 2 1.