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LIST OF PUBLICATIONS

1. D Vinoth Pandi, N Muthukumarasamy, **S Agilan**, MR Venkat Raman, Y Akila, Dhayalan Velauthapillai, "The performance of CdS quantum dot sensitized ZnO nanorod-based solar cell", *Journal of Sol-Gel Science and Technology*, Vol. 80, 2016, 867-872.
2. S Keerthana, **S Agilan**, N Muthukumarasamy, R Balasundaraprabhu, Dhayalan Velauthapillai, "Synthesis and characterization of zeolite NaA and NaY coating on mild steel", *Journal of Sol-Gel Science and Technology*, Vol. 79, 2016, 510-519.
3. Y Akila, N Muthukumarasamy, **S Agilan**, S Senthilarasu, Dhayalan Velauthapillai, "Zirconium oxide post treated tin doped TiO₂ for dye sensitized solar cells", *Materials Science in Semiconductor Processing*, Vol. 57, 2017, 24-31.
4. NR Chandar, **S Agilan**, N Muthukumarasamy, R Ganesh, "Influence of annealing temperature on structural and morphological properties of Manganese oxide (Mn₂O₃)", *Journal of Ovonic Research*, Vol. 14, 2018.
5. G Rajesh, N Muthukumarasamy, **S Agilan**, Dhayalan Velauthapillai, Kallol Mohanta, Sudip K Batabyal, "Electrical bistability of sol-gel derived Cu₂ZnSnS₄ thin films", *Materials Letters*, Vol. 220, 2018, 285-288.
6. K Kannan, L Guru Prasad, **S Agilan**, N Muthukumarasamy, "Investigations on Ag₂S/PVA-PEG polymer nanocomposites: An effectual nonlinear optical material", *Optik*, Vol. 170, 10-16.
7. Indiran Muralisankar, **Santhanam Agilan**, Rajendran Selvakumar, Sundararajan Vairam, "Synthesis of Co₃O₄/graphene nanocomposite using paraffin wax for adsorption of methyl violet in water", *IET nanotechnology*, Vol. 12, 787-794.
8. K Ravikumar, **S Agilan**, M Raja, L Raja, B Gokul, R Ganesh, N Muthukumarasamy, "Design and fabrication of Al/Sr:SnO₂/p-Si Schottky barrier diode based on Stronium doped SnO₂ thin film", *Materials Research Express*, Vol. 6, 2018, 026413.
9. K Ravikumar, **S Agilan**, N Muthukumarasamy, M Raja, Raja Lakshmanan, R Ganesh, "Influence of Annealing Temperature on structural and dc Electrical Properties of SnO₂ Thin Films for Schottky Barrier Diodes", *Silicon*, Vol. 10, 2018, 1591-1599.
10. D Vinoth Pandi, N Muthukumarasamy, **S Agilan**, Dhayalan Velauthapillai, "CdSe quantum dots sensitized ZnO nanorods for solar cell application", *Materials Letters*, Vol. 223, 2018, 227-230.

11. NR Chandar, **S Agilan**, N Muthukumarasamy, R Thangarasu, “An enhanced photocatalytic performance based on MoO₃ and Zn doped MoO₃ nano structures”, *Journal of Ovonic Research*, Vol.15, 2018, 287-299.
12. AB Vennela, D Mangalaraj, N Muthukumarasamy, **S Agilan**, KV Hemalatha, “Structural and optical properties of Co₃O₄ nanoparticles prepared by sol-gel technique for photocatalytic application”, *Int. J. Electrochem. Sci.* Vol. 14, 2019, 3535-3552.
13. Pitchaiya Selvakumar, Eswaramoorthy Nandhakumar, Natarajan Muthukumarasamy, **Santhanam Agilan**, Asokan Vijayshankar, Madurai Ramakrishnan Venkatraman, Rangasamy Balasundaraprabhu, Sundaram Senthilarasu, Ravirajan Punniamoorthy, Velauthapillai Dhayalan, “Perovskite Solar Cells: A Porous Graphitic Carbon based Hole Transporter/Counter Electrode Material Extracted from an invasive Plant Species Eichhornia Crassipes”, Scientific Reports (Nature Publisher Group), Vol. 10, 2020, 1-11.
14. N Rajiv Chandar, **S Agilan**, R Thangarasu, N Muthukumarasamy, R Ganesh, “Influence of the annealing temperature on the formation of Mo₁₇O₄₇ and MoO₃ nanoparticles and their photocatalytic performances for the degradation of MB dye”, *Journal of Materials Science: Materials in Electronics*, 2020, 1-11.
15. N Rajiv Chandar, **S Agilan**, R Thangarasu, N Muthukumarasamy, J Chandrasekaran, S Arunachalam, SR Akshaya, “Elucidation of efficient dual performance in photodegradation and antibacterial activity by a promising candidate Ni-doped MoO₃ nanostructure”, *Journal of Sol-Gel Science and Technology*, 2020, 1-15.
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