

Last 5 year publications details

1. NavaneethanDuraishamyKavitha, DhanarajGopi Ramesh Rajendran, Thangavelu, P, MaadeswaranPalanisamy, Fabrication of Metal Top Electrode via Solution based Printing Technique for Efficient Inverted Organic Solar Cells , Wiley & Sons , 0(0), 255-281, 2018, John Wiley & Sons, Inc. (Book Chapter)
2. J. Duraimurugan, G. Suresh Kumar, M.Venkatesh, P.Maadeswaran, E. K. Girija, Morphology and size controlled synthesis of zinc oxide nanostructures and their optical properties , Journal of Materials Science: Materials in Electronics , 29(11), 9339-9346, 2018, Springer (2.3240)
3. Dinesh Marappan, MaadeswaranPalalanisamy, KavithaVelappan, NirmalaMuthu, PrabusankarGanesan, Journal of Materials Science: Materials in Electronics , Inorganic Chemistry Communications , 92(0), 101-105, 2018, Elsevier B.V.(1.9430)
4. Marappan Dinesh, PalanisamyMaadeswaran, Mon-ShuHo, BalrajBabu and SivakumarChandrasekar, Growth, Vibrational, Optical, Mechanical and DFT Investigations of an Organic Nonlinear Optical Material – Phenylurea , ZeitschriftfürPhysikalischeChemie , 233(11), 1659-1682, 2019, Walter De GruyterGmbH (2.0300)
5. J. Duraimurugan, G. Suresh Kumar, P. Maadeswaran, S. Shanavas, P. M. Anbarasan, V. Vasudevan, Structural, optical and photocatalytic properties of zinc oxide nanoparticles obtained by simple plant extract mediated synthesis , Journal of Materials Science: Materials in Electronics , 30(2), 1927-1935, 2019, Springer (2.3240)
6. S Shanavas, J Duraimurugan, G , R Ramesh, R Acevedo, P M Anbarasan, P Maadeswaran, Ecofriendly green synthesis of ZnO nanostructures using ArtabotrysHexapetalu and Bambusa Vulgaris plant extract and investigation on their photocatalytic and antibacterial activity , Materials Research Express , 6(10), 0-0, 2019, IOP Science (1.9290)
7. S.Prabhu, S.Megala, S.Harish, M.Navaneethan, P.Maadeswaran, S.Sohila, R.Ramesh, Enhanced photocatalytic activities of ZnO dumbbell/reduced graphene oxide nanocomposites for degradation of organic pollutants via efficient charge separation pathway , Applied Surface Science , 487(1), 1279-1288, 2019, Elsevier B.V. (6.1820)

8. P. Jayamurugan, R. Mariappan, S. Deivanayagi, V. Ponnuswamy,, P. Maadeswaran, M. Chavali, Y.V.S.Rao, Effect of dopant concentration on polyaniline/poly(4-styrene sulfonic acid) composite for ammonia gas detection , Polymers and Polymer Composites , 28(8), 645-653, 2020, SAGE Publications (1.0230).
9. J.Duraimurugan,, G. Suresh Kumar, S. Shanavas, R. Ramesh,R. Acevedo,, P.M. Anbarasan, P. Maadeswaran*, Hydrothermal assisted phytofabrication of zinc oxide nanoparticles with different nanoscale characteristics for the photocatlytic degradation of Rhodamine B, Optik, 202(0), 163607-0, 2020, Elsevier(2.1870)
- 10.K. Ramachandran, M. Geerthana, P. Maadeswaran, B. Liang, R. Ramesh, Enhanced photoelectrochemical water splitting performance of hematite photoanodes by hybrid microwave annealing process, Optik, 212(0), 164658-0, 2020, Elsevier(2.1870)
- 11.ArunVelumani, PrabhuSengodan, PriyadharsanArumugam, Ramesh Rajendran, SivakumarSanthanam, MaadeswaranPalanisamy, Carbon quantum dots supported ZnO sphere based photocatalyst for dye degradation application, Current Applied Physics, 20(10), 1176-1184, 2020, Elsevier B.V.(2.2810)