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Solanum melongena leaf extract based zinc oxide nanoparticles synthesis using green chemistry concepts A Nagarajan, V Balasubramani, V Sethuraman, TM Sridhar, R Sasikumar, Indian Journal of Chemistry-Section A (IJCA) 59 (9), 1273-1277		2020
Surface Modification of 316L Stainless Steel dental implants by Novel Bioiner Nano Zirconia coating. S Mohandoss, MS Ganeasan, J Manovasuki, TM Sridhar Trends in Biomaterials & Artificial Organs 34 (3)	t	2020
Highly Sensitive and Selective H2S Gas Sensor fabricated with β-Ga2O3/rG0 V Balasubramani, N Ahamed, S Chandraleka, MR Kuppusamy, ECS Journal of Solid State Science and Technology) 1	2020
Synthesis and characterization of nano-hydroxyapatite/graphene oxide composite materials for medical implant coating applications M Kaviya, P Ramakrishnan, SB Mohamed, R Ramakrishnan, J Gimbun, Materials Today: Proceedings	5	2020
Sintering temperature effects on nano triphasic bioceramic composite coated 316L SS for corrosion resistance, adhesion strength, and cell proliferation on implants R Manonmani, TM Sridhar Journal of Materials Research 35 (6), 580-590		2020
Recent Advances in Electrochemical Impedance Spectroscopy Based Toxic Gas Sensors Using Semiconducting Metal Oxides V Balasubramani, S Chandraleka, TS Rao, R Sasikumar, MR Kuppusamy, Journal of The Electrochemical Society 167 (3), 037572	8	2020
Fabrication of polycaprolactone/β-tricalciumphosphate based nano scaffolds using electrospinning method for biomedical applications K Seethalakshmi, M Kaviya, MG Sundara, B Venkatachalapathy, Indian Journal of Chemistry-Section A (IJCA) 59 (9), 1292-1297		2020
Nano bioactive HAP-nano bioresorbable β-TCP-PEG composite scaffolds and their biochemical activity for implant applications K Kala, MS Ganeasan, V Balasubramani, J Manovasuki, K Valivittan, Journal of Ceramic Processing Research 21 (2), 240-248	d	2020

TITLE	CITED BY	YEAR
Impedance Spectroscopy-Based Reduced Graphene Oxide-Incorporated ZnC Composite Sensor for H ₂ S Investigations V Balasubramani, S Sureshkumar, TS Rao, TM Sridhar ACS Omega 4 (6), 9976-9982	O 6	2019
Enhanced H2S gas sensing properties of Mn doped ZnO nanoparticles—an impedance spectroscopic investigation S Sureshkumar, B Venkatachalapathy, TM Sridhar Materials Research Express 6 (7), 075009	6	2019
Development of 2D SnO2/rGO Nano-Composites for H2S Gas Sensor Using Electrochemical Impedance Spectroscopy at Room Temperature V Balasubramani, S Sureshkumar, T Subbarao, TM Sridhar, R Sasikumar Sensor Letters 17 (3), 237-244	5	2019
6-O-tritylchitosan reinforced polycaprolactone nano scaffolds for bone replacement applications—a physicochemical study K Seethalakshmi, B Venkatachalapathy, M Kaviya, S Mubeena, Materials Research Express 6 (6), 065308	2	2019
Effect of Humidity on Formation of Electrospun Polycaprolactone Nanofiber Embedded with Curcumin using Needdleless Electrospinning R Ramakrishnan, P Ramakrishnan, B Ranganathan, C Tan, TM Sridhar, Materials Today: Proceedings 19, 1241-1246	1	2019
Tuning the band gap of hybrid lead free defect perovskite nano crystals for solar cell applications R Ganesan, SP Vinodhini, V Balasubramani, G Parthipan, TM Sridhar, New Journal of Chemistry 43 (38), 15258-15266	5	2019
TiO 2 rutile phase formed interlayers by sintering monophasic bioceramics for biomedical applications SP Vinodhini, TM Sridhar New Journal of Chemistry 43 (19), 7307-7319	r 1	2019
Electrochemical, mechanical and osseointegration evaluation of NBPC-coate 316L SS by EPD R Manonmani, SP Vinodhini, B Venkatachalapathy, TM Sridhar Surface Engineering 34 (7), 511-519	d 6	2018
Bioinert nano yttria stabilized zirconia coatings on 316L SS for dental applications S Mohandoss, S Sureshkumar, V Balasubramani, B Venkatachalapathy, J. Ceram. Process. Res 18, 313-319	3	2017
Nanobioceramic Hybrid Materials for Biomedical Applications TM Sridhar, R Praveen Eco-Friendly Nano-Hybrid Materials for Advanced Engineering Applications		2017
Speciation of Zinc Heavy Metal in Ground Water of Middle Palar River Basin by DPASV Technique MR Kuppusamy, N Mahalakshmi, TM Sridhar		2017

TITLE

Synthesis, characterization of nano-hydroxy apatite from white snail shells and 3 2017 removal of methylene blue
C Vanitha, MR Kuppusamy, TM Sridhar, R Sureshkumar, N Mahalakshmi
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