

# Balaguru Sethuraman

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

317  
citations

1163117

8  
h-index

940533

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development on fatigue testing of hardfaced components in sodium cooled fast reactors. <i>Engineering Failure Analysis</i> , 2022, 137, 106161.	4.0	7
2	Laboratory Study on the Water-Soluble Polymer as a Self-Curing Compound for Cement Concrete Roads in Ethiopia. <i>Technologies</i> , 2022, 10, 80.	5.1	8
3	Hardfacing studies of Ni alloys: a critical review. <i>Journal of Materials Research and Technology</i> , 2021, 10, 1210-1242.	5.8	41
4	A mathematical model for root canal preparation using Endodontic file. <i>Journal of Oral Biology and Craniofacial Research</i> , 2020, 10, 396-400.	1.9	3
5	Effect of dilution on micro hardness of Ni-Cr-B-Si alloy hardfaced on austenitic stainless steel plate for sodium-cooled fast reactor applications. <i>Nuclear Engineering and Technology</i> , 2020, 52, 589-596.	2.3	30
6	Investigations on different hardfacing processes for High temperature applications of Ni-Cr-B-Si alloy hardfaced on austenitic stainless steel components. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10062-10072.	5.8	24
7	Experimental Study on Tyre Dynamics and Properties of Heavy Load Transporting Vehicle. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 179-190.	0.4	3
8	Experimental Study on Vibration Control of Transportation Trailers Used for Spacecraft. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 143-151.	0.4	4
9	A Review of Contemporary Researches on Biomedical Image Analysis. <i>Communications in Computer and Information Science</i> , 2019, , 84-96.	0.5	1
10	Structural and modal Analysis of Scooter Frame for Design Improvement. <i>Materials Today: Proceedings</i> , 2019, 16, 1106-1116.	1.8	13
11	A Mathematical Model for Root Canal Preparation Using Endodontic File: Part B. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2019, 43, 20-27.	0.5	0
12	Removal of hazardous material from wastewater by using metal organic framework (MOF) embedded polymeric membranes. <i>Separation Science and Technology</i> , 2019, 54, 434-446.	2.5	56
13	A Comparative Microleakage Assessment in Root Canals Obturated by Three Obturation Techniques using Fluid Filtration System. <i>Biomedical and Pharmacology Journal</i> , 2019, 12, 849-856.	0.5	3
14	Experimental Investigation on Energy Saving due to Bubble Disturbance in Boiling Process. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 397-404.	0.4	4
15	An unusual "preexcited" cause of presyncope. <i>Acta Cardiologica</i> , 2018, 73, 195-196.	0.9	0
16	A Pilot Randomized Controlled Trial of an Integrated In-person and Mobile Phone Delivered Counseling and Text Messaging Intervention to Reduce HIV Transmission Risk among Male Sex Workers in Chennai, India. <i>AIDS and Behavior</i> , 2017, 21, 3172-3181.	2.7	28
17	Retail price analytics using backpropagation neural network and sentimental analysis. , 2017, , .		8
18	Effects of Different Operating Temperatures on the Tensile Properties of the Grid Plate Hardfaced with Colmonoy in a Pool Type Sodium Fast Reactor. <i>Science and Technology of Nuclear Installations</i> , 2017, 2017, 1-9.	0.8	13

#	ARTICLE	IF	CITATIONS
19	Measurement of the Residual Stresses and Investigation of Their Effects on a Hardfaced Grid Plate due to Thermal Cycling in a Pool Type Sodium-Cooled Fast Reactor. Science and Technology of Nuclear Installations, 2016, 2016, 1-8.	0.8	13
20	A Novel Approach for Analyzing the Social Network. Procedia Computer Science, 2015, 48, 686-691.	2.0	4
21	Identification and Exploration of Lecithin from Novel Sources and its Applications. Asian Journal of Chemistry, 2014, 26, 3736-3740.	0.3	1
22	Investigation of the spinal cord as a natural receptor antenna for incident electromagnetic waves and possible impact on the central nervous system. Electromagnetic Biology and Medicine, 2012, 31, 101-111.	1.4	8
23	FDTD analysis of spinal cord response to plane wave incidence. , 0, , .		1
24	Thermo Mechanical Analysis of SS304 Circular Grid Plate Hard Faced with Colmonoy. Applied Mechanics and Materials, 0, 229-231, 710-717.	0.2	15
25	Evaluation of Stress Intensity Factor of 316 SS LN Circular Grid Plate Hardfaced with Colmonoy 5 for Various Loads. Applied Mechanics and Materials, 0, 431, 173-176.	0.2	5
26	Variation in Residual Stresses due to Thermal Cycling Induced on the Hardfaced Grid Plate in PFBR. Applied Mechanics and Materials, 0, 591, 98-102.	0.2	8
27	Influence of Welding Speed over Dilution for Circular Grid Plate Hardfaced with Colmonoy-5. Applied Mechanics and Materials, 0, 565, 53-58.	0.2	16