

Ramachandran Manickam

List of Publications by Year in descending order

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Version: 2024-02-01

110
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#	ARTICLE	IF	CITATIONS
1	Study of Executive Director for Administrative Services on Moyamoya Disease and Energy application. , 2022, 7, .		4
2	A Review on Hill Climbing Optimization Methodology. , 2022, 3, 1-7.		14
3	A Review on Various Biofuels and its Applications. , 2022, 8, 1-9.		3
4	Mechanical, Thermal and Morphological Characterisation of Polybutylene based Composites. , 2022, 8, .		1
5	Thermal Characterization of Graphene Based Composites. , 2022, 8, .		0
6	Review on Various Application Bio Fuels. , 2022, 1, .		4
7	An Extensive Study on Gravitational Search Algorithm. , 2022, 1, .		22
8	Application of Simulated Annealing in Various Field. , 2022, 1, 01-08.		19
9	Optimizing Friction Stir Welding of Dissimilar Grades of Aluminum Alloy Using WASPAS. Materials, 2022, 15, 1715.	1.3	8
10	Multi Swarm Optimization Based Clustering with Tabu Search in Wireless Sensor Network. Sensors, 2022, 22, 1736.	2.1	9
11	Mechanical, Morphological and Water absorption properties of Polypropylene based Composites. , 2022, 1, 48-52.		7
12	A Study on Impact of Covid-19 Pandemic across the World. , 2022, 1, .		6
13	A Review on Promethee and Analytic Hierarchy Process with Its Application. , 2022, 2, .		9
14	A Review on Phase Change Material as Energy Storage Materials. , 2022, 1, .		1
15	An Empirical Study On Effectiveness of E-Learning Over Conventional Class Room Learning â€™ A Case Study with Respect to Online Degree Programmes in Higher Education. , 2022, 3, 25-33.		26
16	A Study on Humanoid Robots and Its Psychological Evaluation. , 2022, 1, 48-54.		10
17	A Study on Weighted Aggregated Sum Product Assessment (WASPAS) w.r.t Multiple Criteria Decision Making. , 2022, 2, .		9
18	An Investigation on Tabu Search Algorithms Optimization. , 2022, 1, 13-20.		13

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19	A Study on Input and Response Process Parameter for Drilling Operation. , 2022, 1, .		4
20	An Investigation of Environmental Accounting Measurement. , 2022, 1, 24-29.		5
21	An Investigation on Humanoid Robots with Biped Locomotion and Walking. , 2022, 1, 55-61.		1
22	A Review on Architectural Design and its Process. , 2022, 1, .		5
23	A Review on Entrepreneurship and its Oppurnities. , 2022, 1, 11-16.		5
24	The Impact of Self-help Groups on the Women Empowerment in Tamil Nadu. , 2022, 1, 1-5.		11
25	A Brief Study on Self-Help Groups Impact in the Women Empowerment. , 2022, 1, 6-10.		0
26	Understanding Illegal and Migrant Labour laws. , 2022, 7, 1-6.		3
27	Characteristics of Modern Landscape Architecture and Its Planning Methods. , 2022, 1, 21-31.		6
28	Exploring Architecture Modeling and Design Studio. , 2022, 1, 14-20.		1
29	Case Studies of Architecture and Interior Design Studios. , 2022, 1, 8-13.		11
30	Exploring Various Tourism and Its Implication. , 2022, 3, 72-78.		3
31	Exploring Various Landscape Design and its Characteristics. , 2022, 1, 32-42.		4
32	Investigation of Industry 4.0 in the Robotized Millennium. , 2022, 1, 15-21.		3
33	Investigation of Various Honey comb Structure and Its Application. , 2022, 1, 1-8.		3
34	Investigating the Identification of Breast Cancer and Its Risk. , 2022, 1, 20-25.		7
35	Exploring Recent Trends in Computer Vision. , 2022, 1, 33-39.		3
36	A review on effect of cooling rate in fiber reinforced polymeric composites. AIP Conference Proceedings, 2022, , .	0.3	33

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37	A study on image processing with data analysis. AIP Conference Proceedings, 2022, , .	0.3	29
38	Optimal combination and sizing of multi-type DGs by application of multi-objective Taguchi method integrated with desirability function analysis. AIP Conference Proceedings, 2022, , .	0.3	0
39	Effect of copper nano particles on mechanical, thermal and morphological properties of short jute fiber reinforced poly lactic acid composites. AIP Conference Proceedings, 2022, , .	0.3	0
40	A study on various fire retardant additives used for fire reinforced polymeric composites. AIP Conference Proceedings, 2022, , .	0.3	39
41	A review on basalt fibre reinforced polymeric composite materials. AIP Conference Proceedings, 2022, , .	0.3	31
42	A study on issues and preventive measures taken to control Covid-19. AIP Conference Proceedings, 2022, , .	0.3	40
43	Flow analysis of secondary air injection in conical rocket nozzle. AIP Conference Proceedings, 2022, , .	0.3	0
44	Big Data Analytics for Mobility Prediction and Its Classification. , 2022, 2, 74-81.		2
45	Exploring the Possibility of Urban Agriculture Farm. , 2022, 1, 1-8.		10
46	Selection of Candidate for a Project Using WASPAS Method. , 2022, 1, 79-86.		2
47	Experimental Study of a Hybrid Solar Collector Using TiO ₂ /Water Nanofluids. Energies, 2022, 15, 4425.	1.6	3
48	Investigation of Various Cement Productions and Its Characterization. , 2022, 1, 15-22.		4
49	An Overview of Network Robot System and Its Applications. , 2022, 1, 83-90.		0
50	Classification of Electrocardiography (ECG) Screening. , 2022, 1, 26-33.		1
51	An Detailed Study on Nano Fluids and Its Applications in Energy Sector. , 2022, 8, 52-57.		0
52	An Overview of Dental Implant and Its Bio Mineralization Screening. , 2022, 1, 34-41.		0
53	A Review on Entrepreneurship and Its Implication. , 2022, 1, 36-42.		0
54	Emerging Trends in Cellular Mobile Communication Technologies and Its Applications. , 2022, 1, 61-66.		2

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55	Prediction of Best Micro and Small Entrepreneurs using EDAS Method. , 2022, 1, 29-35.		1
56	An Detailed Study on Unmanned Aerial Vehicle and Its Surveillance. , 2022, 1, 41-47.		0
57	Dielectric Properties of Jute Fibers Reinforced Poly(lactic acid)/Poly(butylene succinate) Blend Matrix. Journal of Polymers and the Environment, 2021, 29, 1240-1256.	2.4	18
58	Machine Learning-Based Predictive Modelling of Biodiesel Productionâ€™A Comparative Perspective. Energies, 2021, 14, 1122.	1.6	44
59	Performance Analysis of Radial Basis Function Metamodels for Predictive Modelling of Laminated Composites. Materials, 2021, 14, 3306.	1.3	11
60	A Study on Various Implications on Reusing in Manufacturing. , 2021, 7, .		25
61	A Review on Various Implications on Re engineering in Manufacturing. , 2021, 7, .		27
62	A Comparative Study of Linear, Random Forest and AdaBoost Regressions for Modeling Non-Traditional Machining. Processes, 2021, 9, 2015.	1.3	31
63	A Review on Structural Equation Modeling and Its Classification. , 2021, 7, .		11
64	A Review on Multi-Criteria Decision-Making and Its Application. , 2021, 7, 101-107.		14
65	A Review on Weight Process Method and its Classification. , 2021, 1, .		11
66	Study on Fuzzy ELECTRE Method with Various Methodologies. , 2021, 7, .		13
67	A Review on Biodiesel Properties and Fatty acid composites. , 2021, 7, 87-93.		22
68	A Study on Just in Time Application in Flexible Manufacturing System. , 2021, 7, 1-5.		0
69	Robust metamodels for accurate quantitative estimation of turbulent flow in pipe bends. Engineering With Computers, 2020, 36, 1041-1058.	3.5	22
70	Design and Numerical evaluation of crankshaft of diesel engine for total deformation and strain. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012010.	0.3	3
71	Investigation of a Magnet falling through a copper tube. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012042.	0.3	5
72	Mapping & Analyzing Mechanical Properties of Dental Restorations with Product Composition. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012058.	0.3	2

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73	Review on Mechanical, Thermal and Morphological Characterization of Sisal Fibre Composite. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012074.	0.3	3
74	Effect of Copper Nano Powder on Kevlar Fiber Reinforced Epoxy Resin Composites. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012053.	0.3	5
75	Effect of Aluminium oxide Nano filler in Tetrafluoroethane (R-134a) Refrigerant. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012018.	0.3	14
76	Effect of fire retardancy materials in fibre reinforced composite plate for false ceilings- A Review. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012023.	0.3	2
77	Metamodel-based parametric study of composite laminates. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012051.	0.3	8
78	Numerical evaluation of Knuckle Joint with stainless steel material for total deformation and Von Mises analysis. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012062.	0.3	2
79	Review on Mechanical, Thermal and Morphological Characterization of Hemp Fiber Composite. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012070.	0.3	1
80	Stress Concentration Factor for Jute Fibre Reinforced PLA Composite Plate with Circular Cut-out and its Effect on Coconut Shell Powder. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012082.	0.3	5
81	Mechanical, Thermal and Morphological Characterization of Basalt Fibre Composite- A Review. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012043.	0.3	4
82	Design and Analysis of Hydrogen Storage Tank with Different Materials by Ansys. IOP Conference Series: Materials Science and Engineering, 2020, 810, 012016.	0.3	15
83	Multi-Objective Optimal Placement and Sizing of DGs by Hybrid Fuzzy TOPSIS and Taguchi Desirability Function Analysis Approach. Electric Power Components and Systems, 2020, 48, 2144-2155.	1.0	3
84	Optimization of Molding Process Parameter for Jute Reinforced Poly Lactic Acid Composite. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 71, 117-124.	0.3	11
85	Sensitivity analysis and optimization of EDM process parameters. Transactions of the Canadian Society for Mechanical Engineering, 2019, 43, 13-25.	0.3	29
86	Multi-objective optimal sizing of distributed generation by application of Taguchi desirability function analysis. SN Applied Sciences, 2019, 1, 1.	1.5	25
87	Stress and Factor of Safety for Connecting Rod using Ansys. International Journal of Engineering and Advanced Technology, 2019, 8, 3463-3467.	0.2	1
88	Municipal Waste Disposal Strategy by Fuzzy TOPSIS Method. International Journal of Engineering and Advanced Technology, 2019, 8, 3497-3499.	0.2	0
89	Effect of Ethylene glycol as Phase Change Material in a Cold Storage Unit on retention of cooling. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012190.	0.3	16
90	Experimental Investigation on Droplet Formation through a Minichannel Y- Junction. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012189.	0.3	6

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91	Design, Modelling and Analysis of Tilted Human Powered Vehicle. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012215.	0.3	23
92	Prediction of Machining Characteristics of Hybrid Composites Using Response Surface Methodology Approach. International Journal of Engineering and Technology(UAE), 2018, 7, 162.	0.2	7
93	Optimization of Material Removal Rate and Surface Roughness for Wire Electric Discharge Machining of AA7075 Composites using Grey Relational Analysis. International Journal of Vehicle Structures and Systems, 2018, 9, .	0.1	8
94	Identification of Most Affected Parameter for Design for Remanufacturing of Scrap Piston by Taguchi Desirability Function Analysis. Advances in Intelligent Systems and Computing, 2018, , 320-329.	0.5	1
95	Analysis of Optimized Wind Turbine Failure Using Computational Fluid Dynamics. Materials Today: Proceedings, 2017, 4, 1788-1793.	0.9	25
96	Comparative Analysis of Bamboo using Jute and Coir Fiber Reinforced Polymeric Composites. Materials Today: Proceedings, 2017, 4, 3182-3187.	0.9	59
97	Mechanical Properties of Hybrid Glass/Carbon Fiber Reinforced Epoxy Composites. Materials Today: Proceedings, 2017, 4, 7375-7380.	0.9	40
98	Low power VLSI architecture for LTE binary to gray converters. , 2017, , .		0
99	Techniques for Optimal Placement and Sizing of Distributed Energy Resources: a Review. International Review of Automatic Control, 2017, 10, 468.	0.2	6
100	Back Propagation Neural Network for Prediction of Some Shell Moulding Parameters. Periodica Polytechnica, Mechanical Engineering, 2016, 60, 203-208.	0.8	21
101	OPTIMIZATION OF BIOMEDICAL WASTE DISPOSAL STRATEGY BY FUZZY TOPSIS METHOD. International Journal of Research in Ayurveda and Pharmacy, 2016, 7, 67-70.	0.0	10
102	Free Vibration Analysis of Laminated Composites by a Nine Node Isoparametric Plate Bending Element. Advanced Composites Letters, 2016, 25, 096369351602500.	1.3	50
103	Selection of distributed generation system using multicriteria decision making fuzzy TOPSIS optimization. , 2016, , .		4
104	Selection of Flywheel Material using Multicriteria Decision Making Fuzzy Topsis. Indian Journal of Science and Technology, 2015, 8, .	0.5	15
105	Effect of Process Parameters on Roughness and Hardness of Surface and Dimensional Accuracy of Lost Wax Process Casting. Journal of Material Science & Engineering, 2015, 04, .	0.2	1
106	Mechanical Characterization and Finite Element Investigation on Properties of PLA-Jute Composite. International Journal of Computer Applications, 2015, 123, 17-21.	0.2	13
107	Methods for Improving Communication Skills of Rural Students in Pharmaceutical Education. International Journal of Scientific and Engineering Research, 2014, 5, 310-314.	0.1	0
108	Application of multi-criteria decision making to sustainable energy planning – A review. Renewable and Sustainable Energy Reviews, 2004, 8, 365-381.	8.2	1,437

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109	Analysis of Coir Fiber Reinforced Poly-Lactic Acid (PLA) and Poly-Propylene (PP) Polymeric Composite. Applied Mechanics and Materials, 0, 852, 10-15.	0.2	14
110	INFLUENCE OF ACTIVATED CARBON PARTICLES ON MICROSTRUCTURE AND THERMAL ANALYSIS OF AA7075 METAL MATRIX COMPOSITES. Rasayan Journal of Chemistry, 0, , .	0.2	1