

# David Ranz

## List of Publications by Year in descending order

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25  
papers

179  
citations

1307594

7  
h-index

1199594

12  
g-index

28  
all docs

28  
docs citations

28  
times ranked

118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of diamond lattice structures based on main parameters and strain rate. Mechanics of Advanced Materials and Structures, 2023, 30, 3721-3733.	2.6	4
2	Mechanical properties of hybrid structures generated by additively manufactured triply periodic minimal surface structures and foam. Mechanics of Advanced Materials and Structures, 2023, 30, 4317-4328.	2.6	3
3	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading. Mechanics of Advanced Materials and Structures, 2022, 29, 1841-1855.	2.6	26
4	Enhanced cohesive zone model to predict delamination behavior of carbon/epoxy laminated curved beams. Mechanics of Advanced Materials and Structures, 2022, 29, 331-341.	2.6	9
5	Mechanical properties and energy absorption capabilities of thermoplastic sheet gyroid structures. Mechanics of Advanced Materials and Structures, 2022, 29, 4110-4124.	2.6	25
6	Comparative analysis of mechanical properties and energy absorption capabilities of functionally graded and non-graded thermoplastic sheet gyroid structures. Mechanics of Advanced Materials and Structures, 2022, 29, 5142-5155.	2.6	14
7	Development of a new car C-pillar made of sandwich structures. Journal of Sandwich Structures and Materials, 2021, 23, 2586-2613.	3.5	2
8	Characterization of cork and cork agglomerates under compressive loads by means of energy absorption diagrams. European Journal of Wood and Wood Products, 2021, 79, 719-731.	2.9	9
9	Experimental study of natural cork and cork agglomerates as a substitute for expanded polystyrene foams under compressive loads. Wood Science and Technology, 2021, 55, 419-443.	3.2	5
10	Analysis of the capability of cork and cork agglomerates to absorb multiple compressive quasi-static loading cycles. European Journal of Wood and Wood Products, 2021, 79, 1195.	2.9	2
11	COMPARISON OF THREE PREDICTIVE ANALYSIS METHODS FOR WIND TURBINE GEAR BOXES. A CASE STUDY OF SATELLITE BEARING WEAR AND GEAR TEETH SURFACE DAMAGES. Dyna (Spain), 2021, 96, 254-259.	0.2	0
12	A study on interlaminar behavior of carbon/epoxy laminated curved beams by use of acoustic emission. Mechanics of Advanced Materials and Structures, 2020, 27, 1609-1618.	2.6	5
13	Development of a fatigue life prediction methodology for welded steel semi-trailer components based on a new criterion. Engineering Failure Analysis, 2020, 108, 104268.	4.0	16
14	A cohesive zone model approach to interlaminar behaviour of carbon/epoxy laminated curved beams. Composite Structures, 2020, 238, 111983.	5.8	16
15	Development of a Methodology of 3D Modeling of Heads for Their Application in the Design of Customized Sports Helmets. Lecture Notes in Mechanical Engineering, 2020, , 234-244.	0.4	0
16	APPLICATION OF A CASE STUDY METHODOLOGY. STUDY DESIGN AND IMPLEMENTATION FOR A MULTIDISCIPLINARY GROUP. , 2020, , .		0
17	SYSTEMATIC METHODOLOGY FOR THE DESIGN OF GAMIFICATION ACTIVITIES AND APPLICATION TO ENGINEERING DEGREES AS ACTIVE LEARNING TOOL. EDULEARN Proceedings, 2020, , .	0.0	0
18	An Impact Testing Machine Development for Helmets According to Several Standards. Lecture Notes in Mechanical Engineering, 2019, , 62-73.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Study of the influence of impact velocity and angle of impact against a motorcyclists' protection systems design and neural damage sustained using numerical methods. International Journal of Crashworthiness, 2019, 24, 171-183.	1.9	0
20	ENHANCING THE ACQUISITION OF COMPETENCES THROUGH THE FLIPPED CLASSROOM MODEL. , 2019, , .		0
21	ENSAYOS EXPERIMENTALES A ESCALA REAL DE GENERADORES DE VORTICIDAD PARA REDUCIR EL COEFICIENTE AERODINÁMICO EN VEHICULOS PESADOS. Dyna (Spain), 2018, 93, 96-101.	0.2	0
22	Experimental research into interlaminar tensile strength of carbon/epoxy laminated curved beams. Composite Structures, 2017, 164, 189-197.	5.8	33
23	A micromechanical composite approach for finite element crashworthiness simulation. Mechanics of Advanced Materials and Structures, 2016, 23, 1430-1436.	2.6	6
24	AIRVORTEX: EJEMPLO DE DISEÑO MULTIDISCIPLINAR. Dyna (Spain), 2015, 90, 629-636.	0.2	0
25	Desarrollo de un nuevo sistema de material compuesto: resistente al fuego y altamente estructural. Materiales De Construccion, 2010, 60, 109-121.	0.7	1