

# Dan Dobrota

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

305  
citations

1163117

8  
h-index

940533

16  
g-index

37  
all docs

37  
docs citations

37  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	An innovative method in the regeneration of waste rubber and the sustainable development. Journal of Cleaner Production, 2018, 172, 3591-3599.	9.3	68
2	Improvement of waste tyre recycling technology based on a new tyre markings. Journal of Cleaner Production, 2020, 260, 121141.	9.3	44
3	Performance Evaluation for a Sustainable Supply Chain Management System in the Automotive Industry Using Artificial Intelligence. Processes, 2020, 8, 1384.	2.8	32
4	Vulcanization of Rubber Conveyor Belts with Metallic Insertion Using Ultrasounds. Procedia Engineering, 2015, 100, 1160-1166.	1.2	21
5	Synthesis, Characterization and Sorption Capacity Examination for a Novel Hydrogel Composite Based on Gellan Gum and Graphene Oxide (GG/GO). Polymers, 2020, 12, 1182.	4.5	19
6	Theoretical and Experimental Contributions on the Use of Smart Composite Materials in the Construction of Civil Buildings with Low Energy Consumption. Energies, 2018, 11, 2310.	3.1	12
7	Reducing of Energy Consumption by Improving the Reclaiming Technology in Autoclave of a Rubber Wastes. Energies, 2019, 12, 1460.	3.1	12
8	Adhesion degradation of rubber and steel insert for conveyor belts. Journal of Adhesion Science and Technology, 2013, 27, 125-135.	2.6	10
9	The Redesigning of Tires and the Recycling Process to Maintain an Efficient Circular Economy. Sustainability, 2019, 11, 5204.	3.2	6
10	Rheological Issues of Phase Change Materials Obtained by the Complex Coacervation of Butyl Stearate in Poly Methyl Methacrylate Membranes. Energies, 2019, 12, 917.	3.1	6
11	Preparation and Characterization of Composites Materials with Rubber Matrix and with Polyvinyl Chloride Addition (PVC). Polymers, 2020, 12, 1978.	4.5	6
12	Optimization of the Technological Parameters for Obtaining Zn-Ti Based Composites to Increase the Performance of H <sub>2</sub> S Removal from Syngas. Processes, 2020, 8, 562.	2.8	6
13	Computational Fluid Dynamics (CFD) Simulation of Inclusion Motion under Interfacial Tension in a Flash Welding Process. Metals, 2021, 11, 1073.	2.3	6
14	CORPORATE BANKRUPTCY AND INSOLVENCY PREDICTION MODEL. Technological and Economic Development of Economy, 2021, 27, 1039-1056.	4.6	6
15	Performance of Microchannel Heat Sink Made of Silicon Material with the Two-Sided Wedge. Materials, 2022, 15, 4740.	2.9	6
16	Ultrasonic Welding of PBT-GF30 (70% Polybutylene Terephthalate + 30% Fiber Glass) and Expanded Polytetrafluoroethylene (e-PTFE). Polymers, 2021, 13, 298.	4.5	5
17	Circular economy - fundament of challenges for business environment. Balkan Region Conference on Engineering and Business Education, 2017, 2, 432-439.	0.1	5
18	The Effect of Roughness in Absorbing Materials on Solar Air Heater Performance. Materials, 2022, 15, 3088.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Optimizing the Shape of Welded Constructions Made through the Technique "Temper Bead Welding", <i>Metals</i> , 2020, 10, 1655.	2.3	4
20	Smart Cutting Tools Used in the Processing of Aluminum Alloys. <i>Sensors</i> , 2022, 22, 28.	3.8	4
21	Regarding the influence of the particle size of crumb rubber from waste rubber on the physical and mechanical characteristics of reclaimed rubber. <i>MATEC Web of Conferences</i> , 2017, 121, 01004.	0.2	3
22	Use of Ultrasound in Reconditioning by Welding of Tools Used in the Process of Regenerating Rubber. <i>Materials</i> , 2018, 11, 276.	2.9	2
23	Methods for Determining the Thermal Transfer in Phase-Changing Materials (PCMs). <i>Polymers</i> , 2020, 12, 467.	4.5	2
24	Research Regarding the Increase of Durability of Flexible Die Made from 50CrMo4 Used in the Typographic Industry. <i>Metals</i> , 2021, 11, 996.	2.3	2
25	Redesign of the Geometry of Parts Produced from PBT Composite to Improve Their Operational Behavior. <i>Polymers</i> , 2021, 13, 2536.	4.5	2
26	The Effects of Public Investment on Sustainable Economic Growth: Empirical Evidence from Emerging Countries in Central and Eastern Europe. <i>Sustainability</i> , 2022, 14, 8721.	3.2	2
27	Constructive Optimization of Vulcanization Installations in Order to Improve the Performance of Conveyor Belts. <i>Materials</i> , 2019, 12, 3607.	2.9	1
28	Welded Construction Design of Transition Fittings from Metal Pipes to Plastic Pipes. <i>Metals</i> , 2020, 10, 1231.	2.3	1
29	Increasing the Durability of Trimming Dies Used to Clean Anodes in the Aluminum Industry. <i>Metals</i> , 2021, 11, 1157.	2.3	1
30	Improving the Performance of Steel Machining Processes through Cutting by Vibration Control. <i>Materials</i> , 2021, 14, 5712.	2.9	1
31	Experimental Research on the Behaviour of Metal Active Gas Tailor Welded Blanks during Single Point Incremental Forming Process. <i>Metals</i> , 2021, 11, 198.	2.3	1
32	Research on the influence of manganese content of physical and chemical characteristics iron-based sintered products. <i>Science of Sintering</i> , 2013, 45, 21-29.	1.4	1
33	Modeling of Melt Flow and Heat Transfer in Stationary Gas Tungsten Arc Welding with Vertical and Tilted Torches. <i>Materials</i> , 2021, 14, 6845.	2.9	1
34	ERROR CORRECTION MODEL FOR ANALYSIS OF INFLUENCE OF FISCAL POLICY ON ECONOMIC GROWTH IN EU. <i>Journal of Business Economics and Management</i> , 2022, 23, 586-605.	2.4	1
35	Ecodesign of the Aluminum Bronze Cutting Process. <i>Materials</i> , 2022, 15, 2735.	2.9	1
36	Improving the Sustainability of the Manufacturing Process by Constructively Optimizing the Parts "Transition Type Fitting". <i>Sustainability</i> , 2019, 11, 5450.	3.2	0

#	ARTICLE	IF	CITATIONS
37	Corrosion of Welded Metal Structures of Mining Equipment. Revista De Chimie (discontinued), 2018, 69, 2563-2566.	0.4	0