

# Constantinos Goulas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9531806/publications.pdf>

Version: 2024-02-01

12  
papers

216  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure, texture and mechanical properties in a low carbon steel after ultrafast heating. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 672, 108-120.	5.6	46
2	Microstructure and Mechanical Properties of Medium Carbon Steel Deposits Obtained via Wire and Arc Additive Manufacturing Using Metal-Cored Wire. <i>Metals</i> , 2019, 9, 673.	2.3	40
3	Bainite Formation in Medium-Carbon Low-Silicon Spring Steels Accounting for Chemical Segregation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 3077-3087.	2.2	28
4	Micro-friction stir welding of titan zinc sheets. <i>Journal of Materials Processing Technology</i> , 2015, 216, 133-139.	6.3	26
5	Deposition of Stellite 6 alloy on steel substrates using wire and arc additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 411-426.	3.0	24
6	Atomic-scale investigations of isothermally formed bainite microstructures in 51CrV4 spring steel. <i>Materials Characterization</i> , 2019, 152, 67-75.	4.4	15
7	The Effect of Heating Rate on the Microstructure of a Soft-Annealed Medium Carbon Steel. <i>Steel Research International</i> , 2017, 88, 1700158.	1.8	11
8	The effect of the pre-heating stage on the microstructure and texture of a cold rolled FeCMnAlSi steel under conventional and ultrafast heating. <i>Materials Characterization</i> , 2017, 130, 188-197.	4.4	9
9	Failure Mechanisms of Mechanically and Thermally Produced Holes in High-Strength Low-Alloy Steel Plates Subjected to Fatigue Loading. <i>Metals</i> , 2020, 10, 318.	2.3	9
10	Fatigue Fracture of a High-Resistance Structural Steel Component Destined to Sustain Severe Loads Under Service Conditions. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 79-85.	0.9	3
11	“Flash”™ Annealing in a Cold-Rolled Low Carbon Steel Alloyed With Cr, Mn, Mo, and Nb: Part I – Continuous Phase Transformations. <i>Steel Research International</i> , 2019, 90, 1800098.	1.8	3
12	Study on the evolution mechanism of oxidation and copper diffusion and precipitation phenomena and their effect on the surface quality of steel plates. <i>International Journal of Structural Integrity</i> , 2015, 6, 214-224.	3.3	2