

# Constantinos Goulas

## List of Publications by Year in descending order

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

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12  
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1199594

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