

# Angeliki G Lekatou

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

159  
citations

1307594

7  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

95  
citing authors

#	ARTICLE	IF	CITATIONS
1	Al-Co Alloys Prepared by Vacuum Arc Melting: Correlating Microstructure Evolution and Aqueous Corrosion Behavior with Co Content. <i>Metals</i> , 2016, 6, 46.	2.3	34
2	The influence of the fabrication route on the microstructure and surface degradation properties of Al reinforced by Al <sub>9</sub> Co <sub>2</sub> . <i>Materials Chemistry and Physics</i> , 2017, 200, 33-49.	4.0	20
3	Corrosion behavior of 304L stainless steel concrete reinforcement in acid rain using fly ash as corrosion inhibitor. <i>Procedia Structural Integrity</i> , 2018, 10, 41-48.	0.8	19
4	Electrochemical Behavior of Al-Co Alloys in Sulfuric Acid. <i>Corrosion and Materials Degradation</i> , 2020, 1, 249-272.	2.4	13
5	Influence of Heat-Treatment Cycles on the Microstructure, Mechanical Properties, and Corrosion Resistance of Co-Cr Dental Alloys Fabricated by Selective Laser Melting. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5252-5265.	2.5	12
6	Sliding wear performance of Al-Co alloys fabricated by vacuum arc melting and correlation with their microstructure. <i>Materials Chemistry and Physics</i> , 2022, 276, 125411.	4.0	9
7	Structural and Tribological Assessment of Biomedical 316 Stainless Steel Subjected to Pulsed-Plasma Surface Modification: Comparison of LPBF 3D Printing and Conventional Fabrication. <i>Materials</i> , 2021, 14, 7671.	2.9	9
8	Corrosion and tensile behavior of 316L stainless steel concrete reinforcement in harsh environments containing a corrosion inhibitor. <i>Procedia Structural Integrity</i> , 2019, 17, 268-275.	0.8	7
9	Sliding wear and solid particle erosion response of aluminium reinforced with tungsten carbide nanoparticles and aluminide particles. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1548-1562.	3.4	6
10	Effect of fly ash on the corrosion performance and structural integrity of stainless steel concrete rebars in acid rain and saline environments. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 423-437.	0.9	6
11	Accelerated corrosion performance of AISI 316L stainless steel concrete reinforcement used in restoration works of ancient monuments. <i>MATEC Web of Conferences</i> , 2018, 188, 03003.	0.2	5
12	Corrosion performance and degradation mechanism of a bi-metallic aluminum structure processed by wire-arc additive manufacturing. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	4
13	The Effect of Fly Ash on the Corrosion Performance of AISI 316L Stainless Steel Reinforced Concrete for Application to Restoration Works of Ancient Monuments. , 2018, , 171-178.		4
14	Cyclic Polarization of Corrugated Austenitic Stainless Steel Rebars in Acid Rain: Effect of Fly Ash, pH and Steel Type. <i>Corrosion and Materials Degradation</i> , 2022, 3, 75-100.	2.4	4
15	Microstructure and surface degradation of Al reinforced by Al <sub>x</sub> W intermetallic compounds via different fabrication routes. <i>MATEC Web of Conferences</i> , 2018, 188, 03001.	0.2	3
16	A Critical Review on Al-Co Alloys: Fabrication Routes, Microstructural Evolution and Properties. <i>Metals</i> , 2022, 12, 1092.	2.3	3
17	Combined Corrosion Inhibitors and Mechanical Properties of Concrete Embedded Steel (AISI 316L) during Accelerated Saline Corrosion Test. <i>Materials Proceedings</i> , 2021, 5, 72.	0.2	1
18	INCREASING VOLUME HARDNESS OF STEEL GRINDING BALLS USING Q-n-P HEAT TREATMENT. <i>Nauka Ta Progres Transportu</i> , 2018, .	0.1	0

#	ARTICLE	IF	CITATIONS
19	The Effect of pH and Fly Ash on the Electrochemical Performance of Stainless-Steel Concrete Reinforcement in Harsh Environments. , 2021, 6, .		0