

# Am Manzoni

## List of Publications by Year in descending order

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36  
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37  
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times ranked

1159  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Entropy Alloys: Balancing Strength and Ductility at Room Temperature. , 2022, , 441-453.		4
2	Effects of heat treatment on microstructure, hardness and local structure in a compositionally complex alloy. Materials Chemistry and Physics, 2022, 276, 125432.	2.0	3
3	Early Material Damage in Equimolar CrMnFeCoNi in Mixed Oxidizing/Sulfiding Hot Gas Atmosphere. Advanced Engineering Materials, 2022, 24, .	1.6	2
4	Uniaxial mechanical properties of face-centered cubic single- and multiphase high-entropy alloys. MRS Bulletin, 2022, 47, 168-174.	1.7	15
5	Formation and evolution of hierarchical microstructures in a Ni-based superalloy investigated by in situ high-temperature synchrotron X-ray diffraction. Journal of Alloys and Compounds, 2022, 919, 165845.	2.8	4
6	Chemical interaction and electronic structure in a compositionally complex alloy: A case study by means of X-ray absorption and X-ray photoelectron spectroscopy. Journal of Alloys and Compounds, 2021, 857, 157597.	2.8	9
7	On the Formation of Eutectics in Variations of the Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> Compositionally Complex Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 143-150.	1.1	3
8	Welding of high-entropy alloys and compositionally complex alloys – an overview. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 1645-1659.	1.3	29
9	Positron annihilation investigation of thermal cycling induced martensitic transformation in NiTi shape memory alloy. Acta Materialia, 2021, 220, 117298.	3.8	6
10	Influence of high melting elements on microstructure, tensile strength and creep resistance of the compositionally complex alloy Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> . Materials Chemistry and Physics, 2021, 274, 125163.	2.0	11
11	Temperature evolution of lattice misfit in Hf and Mo variations of the Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> compositionally complex alloy. Scripta Materialia, 2020, 188, 74-79.	2.6	8
12	Temperature Dependent Solid Solution Strengthening in the High Entropy Alloy CrMnFeCoNi in Single Crystalline State. Metals, 2020, 10, 1412.	1.0	10
13	Short-range chemical order and local lattice distortion in a compositionally complex alloy. Acta Materialia, 2020, 193, 329-337.	3.8	49
14	Hierarchical phase separation behavior in a Ni-Si-Fe alloy. Acta Materialia, 2020, 195, 327-340.	3.8	5
15	New multiphase compositionally complex alloys driven by the high entropy alloy approach. Materials Characterization, 2019, 147, 512-532.	1.9	95
16	Evolution of $\beta/\beta'$ phases, their misfit and volume fractions in Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> compositionally complex alloy. Materials Characterization, 2019, 154, 363-376.	1.9	18
17	Microstructure and Mechanical Properties of Precipitate Strengthened High Entropy Alloy Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> with Additions of Hafnium and Molybdenum. Entropy, 2019, 21, 169.	1.1	33
18	Tensile Behavior and Evolution of the Phases in the Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> Compositionally Complex/High Entropy Alloy. Entropy, 2018, 20, 646.	1.1	23

#	ARTICLE	IF	CITATIONS
19	Influence of impurities, strontium addition and cooling rate on microstructure evolution in Al-10Si-0.3Fe casting alloys. <i>Journal of Alloys and Compounds</i> , 2018, 766, 818-827.	2.8	22
20	Martensite crystal structure in Ru-based high temperature shape memory alloys. <i>Materials Characterization</i> , 2018, 142, 109-114.	1.9	1
21	Formation of intermetallic $\hat{\Gamma}$ phase in Al-10Si-0.3Fe alloy investigated by in-situ 4D X-ray synchrotron tomography. <i>Acta Materialia</i> , 2017, 129, 194-202.	3.8	53
22	Plasmonic gold helices for the visible range fabricated by oxygen plasma purification of electron beam induced deposits. <i>Nanotechnology</i> , 2017, 28, 055303.	1.3	25
23	On the Path to Optimizing the Al-Co-Cr-Cu-Fe-Ni-Ti High Entropy Alloy Family for High Temperature Applications. <i>Entropy</i> , 2016, 18, 104.	1.1	68
24	Constrained hierarchical twinning in Ru-based high temperature shape memory alloys. <i>Acta Materialia</i> , 2016, 111, 283-296.	3.8	12
25	Oxidation behavior of Al <sub>8</sub> Co <sub>17</sub> Cr <sub>17</sub> Cu <sub>8</sub> Fe <sub>17</sub> Ni <sub>33</sub> , Al <sub>23</sub> Co <sub>15</sub> Cr <sub>23</sub> Cu <sub>8</sub> Fe <sub>15</sub> Ni <sub>15</sub> , and Al <sub>17</sub> Co <sub>17</sub> Cr <sub>17</sub> Cu <sub>17</sub> Fe <sub>17</sub> Ni <sub>17</sub> Compositionally Complex Alloys (High-Entropy Alloys) at Elevated Temperatures in Air. <i>Advanced Engineering Materials</i> , 2015, 17, 1227-1234.	1.6	60
26	High-Temperature Tensile Strength of Al <sub>10</sub> Co <sub>25</sub> Cr <sub>8</sub> Fe <sub>15</sub> Ni <sub>36</sub> Ti <sub>6</sub> Compositionally Complex Alloy (High-Entropy Alloy). <i>Jom</i> , 2015, 67, 2271-2277.	0.9	140
27	Influence of W, Mo and Ti trace elements on the phase separation in Al <sub>8</sub> Co <sub>17</sub> Cr <sub>17</sub> Cu <sub>8</sub> Fe <sub>17</sub> Ni <sub>33</sub> based high entropy alloy. <i>Ultramicroscopy</i> , 2015, 159, 265-271.	0.8	43
28	Shape memory deformation mechanisms of Ru-Nb and Ru-Ta shape memory alloys with transformation temperatures. <i>Intermetallics</i> , 2014, 52, 57-63.	1.8	6
29	Phase separation in equiatomic AlCoCrFeNi high-entropy alloy. <i>Ultramicroscopy</i> , 2013, 132, 212-215.	0.8	296
30	Microstructure and Tensile Behavior of Al <sub>8</sub> Co <sub>17</sub> Cr <sub>17</sub> Cu <sub>8</sub> Fe <sub>17</sub> Ni <sub>33</sub> (at.%) High-Entropy Alloy. <i>Jom</i> , 2013, 65, 1805-1814.	0.9	66
31	Unexpected Constrained Twin Hierarchy in Equiatomic Ru-Based High Temperature Shape Memory Alloy Martensite. <i>Materials Science Forum</i> , 2013, 738-739, 195-199.	0.3	1
32	Investigation of phases in Al <sub>23</sub> Co <sub>15</sub> Cr <sub>23</sub> Cu <sub>8</sub> Fe <sub>15</sub> Ni <sub>16</sub> and Al <sub>8</sub> Co <sub>17</sub> Cr <sub>17</sub> Cu <sub>8</sub> Fe <sub>17</sub> Ni <sub>33</sub> high entropy alloys and comparison with equilibrium phases predicted by Thermo-Calc. <i>Journal of Alloys and Compounds</i> , 2013, 552, 430-436.	2.8	112
33	The effect of Fe additions on the shape memory properties of Ru-based alloys. <i>Scripta Materialia</i> , 2011, 64, 1071-1074.	2.6	9
34	Shape recovery in high temperature shape memory alloys based on the Ru-Nb and Ru-Ta systems. , 2009, , .		4
35	Micro/Nano Fabrication of Periodic Hierarchical Structures by Multi-Pulsed Laser Interference Structuring. <i>Advanced Engineering Materials</i> , 2007, 9, 872-875.	1.6	20
36	Phase Transformation and Shape Memory Effect in Ru-Based High Temperature Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 172-174, 43-48.	0.3	1