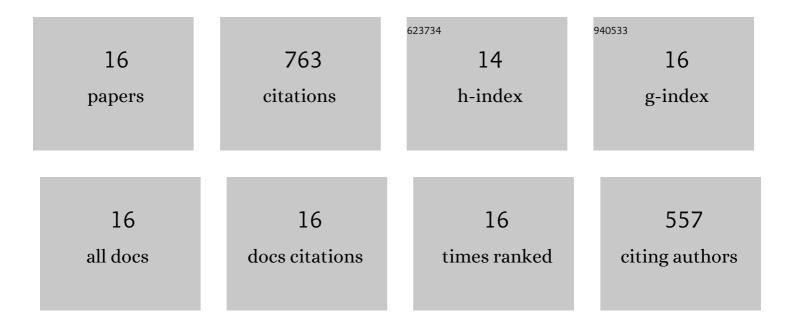
Fabio Di Gioacchino

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Plastic Strain Mapping with Sub-micron Resolution Using Digital Image Correlation. Experimental Mechanics, 2013, 53, 743-754.	2.0	192
2	An experimental study of the polycrystalline plasticity of austenitic stainless steel. International Journal of Plasticity, 2015, 74, 92-109.	8.8	154
3	Crystal plasticity analysis of deformation anisotropy of lamellar TiAl alloy: 3D microstructure-based modelling and in-situ micro-compression. International Journal of Plasticity, 2019, 119, 344-360.	8.8	55
4	Longitudinal twinning in a TiAl alloy at high temperature by in situ microcompression. Acta Materialia, 2018, 148, 202-215.	7.9	54
5	Deformation of lamellar TiAl alloys by longitudinal twinning. Scripta Materialia, 2016, 118, 46-50.	5.2	49
6	Transverse deformation of a lamellar TiAl alloy at high temperature by in situ microcompression. Acta Materialia, 2019, 166, 85-99.	7.9	41
7	Mapping deformation in small-scale testing. Acta Materialia, 2014, 78, 103-113.	7.9	40
8	The interaction of borides and longitudinal twinning in polycrystalline TiAl alloys. Acta Materialia, 2017, 140, 305-316.	7.9	31
9	Stable Speckle Patterns for Nano-scale Strain Mapping up to 700°C. Experimental Mechanics, 2017, 57, 1469-1482.	2.0	31
10	An experimental study of the polycrystalline plasticity of lamellar titanium aluminide. International Journal of Plasticity, 2019, 118, 291-319.	8.8	28
11	Deformation of lamellar Î ³ -TiAl below the general yield stress. Acta Materialia, 2019, 163, 122-139.	7.9	24
12	High resolution digital image correlation mapping of strain localization upon room and high temperature, high cycle fatigue of a TiAl intermetallic alloy. International Journal of Fatigue, 2021, 142, 105905.	5.7	18
13	Slip bands in lamellar TiAl during high cycle fatigue microcompression by correlative total strain mapping, diffraction orientation mapping and transmission electron imaging. International Journal of Fatigue, 2019, 124, 520-527.	5.7	16
14	A new mechanism of strain transfer in polycrystals. Scientific Reports, 2020, 10, 10082.	3.3	14
15	On the extraction of yield stresses from micro-compression experiments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140323.	5.6	9
16	Reduced partitioning of plastic strain for strong and yet ductile precipitate-strengthened alloys. Scientific Reports, 2018, 8, 8698.	3.3	7