

# Sebastian Henschel

## List of Publications by Year in descending order

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17  
papers

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citations

1307594

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1281871

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times ranked

133  
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#	ARTICLE	IF	CITATIONS
1	Fracture toughness of a hot work tool steel-TiC composite produced by mechanical milling and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 152-159.	5.6	16
2	Effect of Filter Coating on the Quasi-static and Cyclic Mechanical Properties of a G42CrMo4 Casting. <i>Advanced Engineering Materials</i> , 2013, 15, 1216-1223.	3.5	15
3	Study of dynamic crack formation in nodular cast iron using the acoustic emission technique. <i>Engineering Fracture Mechanics</i> , 2018, 188, 58-69.	4.3	15
4	Dynamic crack initiation measurements in a four-point split Hopkinson bending device. <i>Engineering Fracture Mechanics</i> , 2015, 133, 62-75.	4.3	14
5	Effect of Crucible Material for Ingot Casting on Detrimental Non-Metallic Inclusions and the Resulting Mechanical Properties of 18CrNiMo7.6 Steel. <i>Advanced Engineering Materials</i> , 2017, 19, 1700199.	3.5	14
6	Microstructure and mechanical properties of bulk Ti-AlN composites processed by FAST/SPS. <i>Ceramics International</i> , 2016, 42, 10220-10227.	4.8	11
7	AE analysis of damage processes in cast iron and high-strength steel at different temperatures and loading rates. <i>Engineering Fracture Mechanics</i> , 2019, 210, 320-341.	4.3	10
8	Crack initiation at high loading rates applying the four-point bending split Hopkinson pressure bar technique. <i>International Journal of Fracture</i> , 2016, 201, 235-248.	2.2	8
9	Effect of Filter Functional Coating on Detrimental Nonmetallic Inclusions in 42CrMo4 Steel and Its Resulting Mechanical Properties. <i>Advanced Engineering Materials</i> , 2020, 22, 1900540.	3.5	8
10	Effect of non-metallic inclusions and shrinkage cavities on the dynamic fracture toughness of a high-strength G42CrMo4 cast steel. <i>Procedia Structural Integrity</i> , 2016, 2, 358-365.	0.8	6
11	Deflection measurement in low-blow Charpy impact tests. <i>Materialprüfung/Materials Testing</i> , 2015, 57, 837-842.	2.2	5
12	Modelling of Crack Initiation in a G42CrMo4 Steel With Non-Metallic Inclusions. <i>Steel Research International</i> , 2016, 87, 29-36.	1.8	2
13	Temperature dependent crack initiation of 42CrMo4 steel at high loading rates. <i>EPJ Web of Conferences</i> , 2018, 183, 02001.	0.3	2
14	Crack initiation at high loading rates applying the four-point bending split Hopkinson pressure bar technique. <i>EPJ Web of Conferences</i> , 2015, 94, 01028.	0.3	1
15	Effect of non-metallic inclusions on the local mechanical behaviour of a G42CrMo4 casting. <i>MATEC Web of Conferences</i> , 2014, 12, 04007.	0.2	0
16	Effect of ceramic particles on the dynamic strength, deformation and toughness behavior of 42CrMo4. <i>EPJ Web of Conferences</i> , 2021, 250, 03001.	0.3	0
17	Experimental determination of toughness under mode I/II loading. <i>Procedia Structural Integrity</i> , 2020, 28, 1369-1377.	0.8	0