

# Sebastian Henschel

## List of Publications by Year in descending order

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17  
papers

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1307594

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1281871

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docs citations

17  
times ranked

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citing authors

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