

Sebastian Mnstermann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 papers	1,573 citations	21 h-index	35 g-index
154 ext. papers	1,981 ext. citations	2.8 avg, IF	5.24 L-index

#	Paper	IF	Citations
139	Review on fracture and crack propagation in weldments [A fracture mechanics perspective. <i>Engineering Fracture Mechanics</i> , 2014 , 132, 200-276	4.2	135
138	A hybrid approach for modelling of plasticity and failure behaviour of advanced high-strength steel sheets. <i>International Journal of Damage Mechanics</i> , 2013 , 22, 188-218	3	127
137	A micromechanical damage simulation of dual phase steels using XFEM. <i>Computational Materials Science</i> , 2012 , 54, 271-279	3.2	106
136	Experimental and numerical failure criterion for formability prediction in sheet metal forming. <i>Computational Materials Science</i> , 2008 , 43, 43-50	3.2	71
135	The second Sandia Fracture Challenge: predictions of ductile failure under quasi-static and moderate-rate dynamic loading. <i>International Journal of Fracture</i> , 2016 , 198, 5-100	2.3	55
134	A method to quantitatively upscale the damage initiation of dual-phase steels under various stress states from microscale to macroscale. <i>Computational Materials Science</i> , 2014 , 94, 245-257	3.2	50
133	FE-simulation of machining processes with a new material model. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 599-611	5.3	49
132	An evolving non-associated Hill48 plasticity model accounting for anisotropic hardening and r-value evolution and its application to forming limit prediction. <i>International Journal of Solids and Structures</i> , 2018 , 151, 20-44	3.1	42
131	Evaluation of the cold formability of high-strength low-alloy steel plates with the modified Bai-Wierzbicki damage model. <i>International Journal of Damage Mechanics</i> , 2015 , 24, 383-417	3	40
130	A study of microcrack formation in multiphase steel using representative volume element and damage mechanics. <i>Computational Materials Science</i> , 2011 , 50, 1225-1232	3.2	40
129	Fracture-mechanics based prediction of the fatigue strength of weldments. Material aspects. <i>Engineering Fracture Mechanics</i> , 2018 , 198, 79-102	4.2	32
128	Extension of the modified Bai-Wierzbicki model for predicting ductile fracture under complex loading conditions. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017 , 40, 2152-2168	3	31
127	The modeling scheme to evaluate the influence of microstructure features on microcrack formation of DP-steel: The artificial microstructure model and its application to predict the strain hardening behavior. <i>Computational Materials Science</i> , 2014 , 94, 198-213	3.2	30
126	Numerically predicted high cycle fatigue properties through representative volume elements of the microstructure. <i>International Journal of Fatigue</i> , 2017 , 105, 219-234	5	28
125	Numerical Determination of the Damage Parameters of a Dual-phase Sheet Steel. <i>ISIJ International</i> , 2012 , 52, 743-752	1.7	28
124	A new model for upper shelf impact toughness assessment with a computationally efficient parameter identification algorithm. <i>Engineering Fracture Mechanics</i> , 2015 , 148, 281-303	4.2	27
123	Prediction of shear crack formation of lithium-ion batteries under rod indentation: Comparison of seven failure criteria. <i>Engineering Fracture Mechanics</i> , 2019 , 217, 106520	4.2	26

122	Design of damage tolerance in high-strength steels. <i>International Journal of Materials Research</i> , 2012 , 103, 755-764	0.5	26
121	A strategy for synthetic microstructure generation and crystal plasticity parameter calibration of fine-grain-structured dual-phase steel. <i>International Journal of Plasticity</i> , 2020 , 126, 102614	7.6	26
120	Microstructure-based fatigue modelling with residual stresses: Prediction of the microcrack initiation around inclusions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 751, 133-141	5.3	23
119	Prediction of crack formation in the progressive folding of square tubes during dynamic axial crushing. <i>International Journal of Mechanical Sciences</i> , 2020 , 176, 105534	5.5	21
118	Modeling the microstructure influence on fatigue life variability in structural steels. <i>Computational Materials Science</i> , 2014 , 94, 258-272	3.2	21
117	Microstructure-based fatigue modelling with residual stresses: Prediction of the fatigue life for various inclusion sizes. <i>International Journal of Fatigue</i> , 2019 , 129, 105158	5	19
116	Crystallographic orientation and spatially resolved damage in a dispersion-hardened Al alloy. <i>Acta Materialia</i> , 2020 , 193, 138-150	8.4	19
115	Damage mechanism analysis of a high-strength dual-phase steel sheet with optimized fracture samples for various stress states and loading rates. <i>Engineering Failure Analysis</i> , 2019 , 106, 104138	3.2	16
114	Numerical Study of the Effect of Inclusions on the Residual Stress Distribution in High-Strength Martensitic Steels During Cooling. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 455	2.6	16
113	Numerical study of inclusion parameters and their influence on fatigue lifetime. <i>International Journal of Fatigue</i> , 2018 , 111, 70-80	5	16
112	Modeling of plasticity and fracture behavior of X65 steels: seam weld and seamless pipes. <i>International Journal of Fracture</i> , 2018 , 213, 17-36	2.3	15
111	Influencing parameters on elastic modulus of steels. <i>Canadian Metallurgical Quarterly</i> , 2014 , 53, 264-273	0.9	15
110	Modeling of Damage and Failure of Dual Phase Steel in Nakajima Test. <i>Key Engineering Materials</i> , 2012 , 525-526, 69-72	0.4	15
109	Investigation on micromechanism and stress state effects on cleavage fracture of ferritic-pearlitic steel at 196 °C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 686, 134-141	5.3	14
108	Quantitative Analysis of Inclusion Engineering on the Fatigue Property Improvement of Bearing Steel. <i>Metals</i> , 2019 , 9, 476	2.3	14
107	Predicting lower bound damage curves for high-strength low-alloy steels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013 , 36, 779-794	3	14
106	Forming limit prediction by the Marciniak-Kuczynski model coupled with the evolving non-associated Hill48 plasticity model. <i>Journal of Materials Processing Technology</i> , 2021 , 287, 116384	5.3	13
105	The lattice strain ratio in characterizing the grain-to-grain interaction effect and its specific insight on the plastic deformation of polycrystalline materials. <i>Journal of Strain Analysis for Engineering Design</i> , 2018 , 53, 353-363	1.3	13

104	An Experimental Study on the Impact of Deoxidation Methods on the Fatigue Properties of Bearing Steels. <i>Steel Research International</i> , 2018 , 89, 1800129	1.6	12
103	Mechanical Deformation of Lithium-Ion Pouch Cells under in-plane LoadsPart II: Computational Modeling. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 090556	3.9	11
102	Investigation on the ductile fracture of high-strength pipeline steels using a partial anisotropic damage mechanics model. <i>Engineering Fracture Mechanics</i> , 2020 , 227, 106900	4.2	11
101	A Modified Lemaitre Damage Model Phenomenologically Accounting for the Lode Angle Effect on Ductile Fracture 2014 , 3, 1841-1847		11
100	On the influence of steel microstructure on short crack growth under cyclic loading. <i>International Journal of Fatigue</i> , 2012 , 41, 83-89	5	11
99	An evolving plasticity model considering anisotropy, thermal softening and dynamic strain aging. <i>International Journal of Plasticity</i> , 2020 , 132, 102747	7.6	11
98	Grain Orientation Dependence of the Residual Lattice Strain in a Cold Rolled Interstitial-Free Steel. <i>Steel Research International</i> , 2018 , 89, 1700408	1.6	10
97	A Generalized Damage Model Accounting for Instability and Ductile Fracture for Sheet Metals. <i>Key Engineering Materials</i> , 2014 , 611-612, 106-110	0.4	10
96	The differences of damage initiation and accumulation of DP steels: a numerical and experimental analysis. <i>International Journal of Fracture</i> , 2020 , 226, 1-15	2.3	10
95	Crystal plasticity assisted prediction on the yield locus evolution and forming limit curves 2017 ,		9
94	Application of the modified Bai-Wierzbicki model for the prediction of ductile fracture in pipelines. <i>International Journal of Pressure Vessels and Piping</i> , 2019 , 171, 104-116	2.4	9
93	Characterizing Ductile Damage and Failure: Application of the Direct Current Potential Drop Method to Uncracked Tensile Specimens 2014 , 3, 1161-1166		8
92	Estimation of the endurance fatigue limit for structural steel in load increasing tests at low temperature. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012 , 35, 628-637	3	8
91	Fluid-structure-interaction modeling of dynamic fracture propagation in pipelines transporting natural gases and CO2-mixtures. <i>International Journal of Pressure Vessels and Piping</i> , 2019 , 175, 103934	2.4	7
90	A generalized Orowan model for cleavage fracture. <i>Engineering Fracture Mechanics</i> , 2017 , 186, 105-118	4.2	7
89	Numerical Modelling of Toughness and Failure Processes in Steel Structures. <i>Steel Research International</i> , 2007 , 78, 224-235	1.6	7
88	Forming limit prediction by an evolving non-quadratic yield criterion considering the anisotropic hardening and r-value evolution 2018 ,		6
87	Experimental and Numerical Investigations of the TRIP Effect in 1.4301 Austenitic Stainless Steel Under Static Loading. <i>Steel Research International</i> , 2014 , 85, 793-802	1.6	6

86	Numerical derivation of strain-based criteria for ductile failure: Discussions on sensitivity and validity. <i>Engineering Fracture Mechanics</i> , 2015 , 148, 421-440	4.2	6
85	Exploiting the Property Profile of High Strength Steels by Damage Mechanics Approaches*. <i>Materialpruefung/Materials Testing</i> , 2012 , 54, 557-563	1.9	6
84	Fracture properties of zinc coating layers in a galvanized steel and an electrolytically galvanized steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 732, 320-325	5.3	6
83	Delayed cracking behavior of a meta-stable austenitic stainless steel under bending condition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 768, 138470	5.3	5
82	Experimental and Numerical Failure Criteria for Sheet Metal Forming. <i>Steel Research International</i> , 2007 , 78, 762-770	1.6	5
81	Der Kurzzrisseffekt bei der bruchmechanischen Prüfung. <i>Materialpruefung/Materials Testing</i> , 2004 , 46, 501-505	1.9	5
80	Modelling of Grain Size Evolution with Different Approaches via FEM When Hard Machining of AISI 4140. <i>Metals</i> , 2020 , 10, 1296	2.3	5
79	An Experimental and Numerical Investigation of the Anisotropic Plasticity and Fracture Properties of High Strength Steels from Laboratory to Component Scales. <i>Procedia Structural Integrity</i> , 2018 , 13, 1312-1317	1	5
78	Local formability of medium-Mn steel. <i>Journal of Materials Processing Technology</i> , 2022 , 299, 117368	5.3	5
77	Reconstruction of Microstructural and Morphological Parameters for RVE Simulations with Machine Learning. <i>Procedia Manufacturing</i> , 2020 , 47, 629-635	1.5	4
76	A Novel Approach to Discrete Representative Volume Element Automation and Generation-DRAGen. <i>Materials</i> , 2020 , 13,	3.5	4
75	Cutting force based surface integrity soft-sensor when hard machining AISI 4140. <i>TM Technisches Messen</i> , 2020 , 87, 683-693	0.7	4
74	Efficient characterization tools for deformation-induced damage at different scales. <i>Production Engineering</i> , 2020 , 14, 95-104	1.9	4
73	On the effect of strain and triaxiality on void evolution in a heterogeneous microstructure [A statistical and single void study of damage in DP800 steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 799, 140332	5.3	4
72	Evolution of plastic anisotropy and strain rate sensitivity. <i>Journal of Physics: Conference Series</i> , 2018 , 1063, 012063	0.3	4
71	A comparative study on the forming limit diagram prediction between Marciniak-Kuczynski model and modified maximum force criterion by using the evolving non-associated Hill48 plasticity model 2018 ,		4
70	Fatigue lifetime prediction with a validated micromechanical short crack model for the ferritic steel EN 1.4003. <i>International Journal of Fatigue</i> , 2021 , 152, 106418	5	4
69	Modeling of Chip Breakage in Machining of AISI 1045 Steel by Using an Improved Damage Mechanics Model. <i>Steel Research International</i> , 2017 , 88, 1600338	1.6	3

68	A Comparative Study on the Formability Prediction of Steel Sheets by Anisotropic Models Based on Associated Flow Rule and Non-Associated Flow Rule. <i>Key Engineering Materials</i> , 2015 , 651-653, 150-155	0.4	3
67	Prestraining Induced Enhancement in the Fatigue Limit Obtained by Load Increasing Thermal Method for Metastable Austenitic Stainless Steel. <i>Steel Research International</i> , 2018 , 89, 1700434	1.6	3
66	Spröbruchverhalten hochfester Schrauben großer Abmessungen bei tiefen Temperaturen. <i>Stahlbau</i> , 2018 , 87, 17-29	0.6	3
65	Micromechanical modeling of cleavage fracture for a ferritic-pearlitic steel. <i>Engineering Fracture Mechanics</i> , 2019 , 221, 106683	4.2	3
64	Evaluation of the Cold Formability of Multiphase Steels by Damage Mechanics Approaches*. <i>Materialprüfung/Materials Testing</i> , 2013 , 55, 628-635	1.9	3
63	Damage mechanics based failure prediction for structures under seismic action. <i>Journal of Constructional Steel Research</i> , 2020 , 173, 106264	3.8	3
62	Numerical Evaluation of Surface Roughness Influences on Cold Formability of Dual-Phase Steel. <i>Steel Research International</i> , 2020 , 91, 2000141	1.6	3
61	Large-deformation plasticity and fracture behavior of pure lithium under various stress states. <i>Acta Materialia</i> , 2021 , 208, 116730	8.4	3
60	The influence of freeform bending process parameters on residual stresses for steel tubes. <i>Advances in Industrial and Manufacturing Engineering</i> , 2021 , 2, 100047	1.8	3
59	Analysis of local stress/strain fields in an HPDC AM60 plate containing pores with various characteristics. <i>Engineering Failure Analysis</i> , 2021 , 127, 105503	3.2	3
58	Ductility prediction of HPDC aluminum alloy using a probabilistic ductile fracture model. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 119, 103381	3.7	3
57	Surface roughness influences on localization and damage during forming of DP1000 sheet steel. <i>Procedia Manufacturing</i> , 2019 , 29, 504-511	1.5	2
56	FSI-simulation of ductile fracture propagation and arrest in pipelines: Comparison with existing data of full-scale burst tests. <i>International Journal of Pressure Vessels and Piping</i> , 2020 , 182, 104067	2.4	2
55	Damage and fracture loci for a dual-phase steel and a high-strength low-alloyed steel: Revealing the different plastic localization damage ductile fracture pattern 2016 ,		2
54	The Second Blind Sandia Fracture Challenge: improved MBW model predictions for different strain rates. <i>International Journal of Fracture</i> , 2016 , 198, 149-165	2.3	2
53	A method to numerically predict the loading ratio dependency of long crack propagation rates under cyclic loading. <i>International Journal of Fatigue</i> , 2018 , 116, 234-244	5	2
52	Effect of plastic strain and ductile damage on elastic modulus of multiphase steel and its impact on springback prediction 2019 ,		2
51	Anisotropic plasticity model considering the dynamic strain ageing effects 2019 ,		2

50	Modeling the Cold Formability of Dualphase Steels on Different Length Scales 2014 , 3, 1050-1055		2
49	Design of an Experimental Program to Assess the Dynamic Fracture Properties of a Dual Phase Automotive Steel. <i>Procedia Engineering</i> , 2017 , 197, 204-213		2
48	Influence of the Stress State on the Predictability of the Failure Probability in the Beremin Model. <i>Applied Mechanics and Materials</i> , 2015 , 784, 403-410	0.3	2
47	Cold Formability of Automotive Sheet Metals: Anisotropy, Localization, Damage and Ductile Fracture. <i>Key Engineering Materials</i> , 2015 , 639, 353-360	0.4	2
46	Characterization of Ductile Failure Behavior of the Ferritic Steel Using Damage Mechanics Modeling Approach. <i>Key Engineering Materials</i> , 2012 , 525-526, 469-472	0.4	2
45	Meeting technological and social challenges [Sustainable design principles for damage tolerant microstructures. <i>Revue De Metallurgie</i> , 2012 , 109, 369-379		2
44	Generating Input Data for Microstructure Modelling: A Deep Learning Approach Using Generative Adversarial Networks. <i>Materials</i> , 2020 , 13,	3.5	2
43	Efficient, scale-bridging simulation of ductile failure in a burst test using damage mechanics. <i>International Journal of Pressure Vessels and Piping</i> , 2020 , 188, 104242	2.4	2
42	Influence of Pore Characteristics on Anisotropic Mechanical Behavior of Laser Powder Bed FusionManufactured Metal by Micromechanical Modeling. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000641	3.5	2
41	Prediction of edge fracture during hole-flanging of advanced high-strength steel considering blanking pre-damage. <i>Engineering Fracture Mechanics</i> , 2021 , 248, 107721	4.2	2
40	A microstructure sensitive modeling approach for fatigue life prediction considering the residual stress effect from heat treatment. <i>Procedia Structural Integrity</i> , 2018 , 13, 2048-2052	1	2
39	Forming limit curves determined in high-speed Nakajima tests and predicted by a strain rate sensitive model 2017 ,		1
38	Crystal plasticity modelling of flow behavior under various strain rates 2019 ,		1
37	Investigation on new steel grades for construction of wind energy mills for sustainable energy supply. <i>Metallurgical Research and Technology</i> , 2014 , 111, 147-153	0.9	1
36	Characterization of Local Deformation in Welded Joints Using a Combined Experimental and Numerical Approach. <i>Key Engineering Materials</i> , 2014 , 627, 241-244	0.4	1
35	Contrary Effects of Microstructure and Cleanliness on Tensile and Toughness Properties in Precipitation Hardening Stainless Steels. <i>Steel Research International</i> , 2012 , 83, 434-444	1.6	1
34	Micromechanical Modeling of Damage and Failure in Dual Phase Steels. <i>Key Engineering Materials</i> , 2013 , 554-557, 2369-2374	0.4	1
33	Structural requirements and material solutions for sustainable buildings. <i>Revue De Metallurgie</i> , 2013 , 110, 37-46		1

32	Dynamic strain aging in DP1000: Effect of temperature and strain rate. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 832, 142509	5.3	1
31	Determination of global and local cleavage fracture characteristics of high strength bolt steels. <i>Materialprüfung/Materials Testing</i> , 2017 , 59, 945-950	1.9	1
30	Strain rate dependent plasticity and fracture of DP1000 steel under proportional and non-proportional loading. <i>European Journal of Mechanics, A/Solids</i> , 2021 , 92, 104446	3.7	1
29	Effect of ausforming on microstructure and hardness characteristics of bainitic steel. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 13365-13374	5.5	1
28	Deformation and Damage Assessments of Two DP1000 Steels Using a Micromechanical Modelling Method. <i>Crystals</i> , 2021 , 11, 805	2.3	1
27	Safety assessment of steels under ULCF loading conditions with damage mechanics model. <i>Procedia Structural Integrity</i> , 2016 , 2, 632-639	1	1
26	Prediction of the depth of dynamically recrystallized microstructure during hard turning of AISI 4140. <i>Procedia CIRP</i> , 2021 , 101, 214-217	1.8	1
25	Simulating toughness properties under varying temperatures with micromechanical and phenomenological damage models. <i>Procedia Structural Integrity</i> , 2018 , 13, 2239-2244	1	1
24	A method for component-oriented toughness analysis of modern multiphase steels. <i>Procedia Structural Integrity</i> , 2018 , 13, 914-919	1	1
23	Plasticity and failure behavior modeling of high-strength steels under various strain rates and temperatures: microstructure to components. <i>Procedia Structural Integrity</i> , 2018 , 13, 1421-1426	1	1
22	Metallurgical Gradients in Structural Materials: Potential and Challenges in Creating Artificial Segregations in Medium Manganese Steel via Roll-Bonding. <i>Steel Research International</i> , 2021 , 2100429	1.6	1
21	Surface roughness influence in micromechanical fatigue lifetime prediction with crystal plasticity models for steel. <i>International Journal of Fatigue</i> , 2022 , 159, 106792	5	1
20	Dynamic Fracture Behavior of High Strength Pipeline Steel. <i>Procedia Engineering</i> , 2017 , 197, 214-223		0
19	Microstructure-Based Fatigue Modeling with Residual Stresses: Effect of Inclusion Shape on Very High Cycle Fatigue Life. <i>Crystals</i> , 2022 , 12, 200	2.3	0
18	Determination of fatigue lifetimes with a micromechanical short crack model for the high-strength steel SAE 4150. <i>International Journal of Fatigue</i> , 2021 , 156, 106621	5	0
17	A Structure for the Control of Geometry and Properties of a Freeform Bending Process. <i>IFAC-PapersOnLine</i> , 2021 , 54, 115-120	0.7	0
16	Influence of surface roughness on cold formability in bending processes: a multiscale modelling approach with the hybrid damage mechanics model. <i>International Journal of Material Forming</i> , 2021 , 14, 235-248	2	0
15	Micromechanical fatigue experiments for validation of microstructure-sensitive fatigue simulation models. <i>International Journal of Fatigue</i> , 2022 , 160, 106824	5	0

14	Plasticity evolution of an aluminum-magnesium alloy under abrupt strain path changes. <i>International Journal of Material Forming</i> , 2022 , 15, 1	2	0
13	Numerical prediction of machining induced residual stresses when hard cutting AISI 4140. <i>Procedia CIRP</i> , 2022 , 108, 583-588	1.8	0
12	Phenomenological Modelling of Impact Toughness Transition Behaviour. <i>Applied Mechanics and Materials</i> , 2015 , 784, 27-34	0.3	
11	Modelling of Chip Breakage in Machining Process with Damage Mechanics Model. <i>Applied Mechanics and Materials</i> , 2015 , 784, 411-418	0.3	
10	Temperature Dependence of Plastic Flow, Anisotropy and Ductile Fracture. <i>Procedia Manufacturing</i> , 2020 , 47, 1308-1313	1.5	
9	Microstructure Effects on the Plastic Anisotropy of a Fine-Structured Dual-Phase Steel. <i>Procedia Manufacturing</i> , 2020 , 47, 1552-1560	1.5	
8	Hybrid Approach to Describe and Understand the Influence of Inclusions on the Transition Behavior of X65 Pipeline Steel. <i>Procedia Structural Integrity</i> , 2020 , 28, 2126-2131	1	
7	AUBI-Äquivalente Anforderungen an die ZBiegehohe aus Versuchen und SchBiege Simulationen. <i>Stahlbau</i> , 2020 , 89, 1016-1026	0.6	
6	Laudation in Honour of Professor Wolfgang Bleck on the Occasion of his 70th Birthday. <i>Steel Research International</i> , 2021 , 92, 2100617	1.6	
5	A Numerical Study on the Mechanical Properties and the Processing Behaviour of Composite High Strength Steels. <i>Materialpruefung/Materials Testing</i> , 2013 , 55, 336-344	1.9	
4	Estimation of local properties in welded joints using samples with simulated microstructure. <i>International Journal of Structural Integrity</i> , 2016 , 7, 739-747	1	
3	Dynamic fracture of a dual phase automotive steel. <i>EPJ Web of Conferences</i> , 2018 , 183, 02047	0.3	
2	A new method for the toughness assessment of mobile crane components based on damage mechanics. <i>Steel Construction</i> , 2022 , 15, 69-77	1.5	
1	Microstructure-property relationships in HPDC Aural-2 alloy: Experimental and CP modeling approaches. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 143364	5.3	