

# Jerzy Jg Gawad

## 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.

30 papers	399 citations	8 h-index	19 g-index
33 ext. papers	444 ext. citations	2.5 avg, IF	3.07 L-index

#	Paper	IF	Citations
30	Multi-level modelling of mechanical anisotropy of commercial pure aluminium plate: Crystal plasticity models, advanced yield functions and parameter identification. <i>International Journal of Plasticity</i> , <b>2015</b> , 66, 3-30	7.6	99
29	Inverse analysis for identification of rheological and friction models in metal forming. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 6778-6798	5.7	90
28	An evolving plane stress yield criterion based on crystal plasticity virtual experiments. <i>International Journal of Plasticity</i> , <b>2015</b> , 75, 141-169	7.6	51
27	Hierarchical multi-scale modeling of texture induced plastic anisotropy in sheet forming. <i>Computational Materials Science</i> , <b>2013</b> , 66, 65-83	3.2	36
26	The prediction of differential hardening behaviour of steels by multi-scale crystal plasticity modelling. <i>International Journal of Plasticity</i> , <b>2015</b> , 73, 119-141	7.6	29
25	A full-field strategy to take texture-induced anisotropy into account during FE simulations of metal forming processes. <i>Jom</i> , <b>2011</b> , 63, 37-43	2.1	21
24	Identification of Rheological Parameters on the Basis of Various Types of Compression and Tension Tests. <i>Steel Research International</i> , <b>2005</b> , 76, 131-137	1.6	16
23	Internal Variable and Cellular Automata-Finite Element Models of Heat Treatment. <i>International Journal for Multiscale Computational Engineering</i> , <b>2010</b> , 8, 267-285	2.4	9
22	Validation of Multi-scale Model Describing Microstructure Evolution in Steels. <i>Steel Research International</i> , <b>2008</b> , 79, 652-659	1.6	7
21	Multi-scale material modelling to predict the material anisotropy of multi-phase steels. <i>Computational Materials Science</i> , <b>2019</b> , 160, 382-396	3.2	6
20	Multi-scale modelling of the development of heterogeneous distributions of stress, strain, deformation texture and anisotropy in sheet metal forming. <i>Procedia IUTAM</i> , <b>2012</b> , 3, 67-75		5
19	Advanced Plasticity Modeling for Ultra-Low-Cycle-Fatigue Simulation of Steel Pipe. <i>Metals</i> , <b>2017</b> , 7, 140	2.3	5
18	Inverse Analysis of Tensile Tests. <i>Steel Research International</i> , <b>2005</b> , 76, 807-814	1.6	5
17	Multiscale model of dynamic recrystallization in hot rolling. <i>International Journal of Material Forming</i> , <b>2008</b> , 1, 69-72	2	4
16	Multiscale CAFE Modelling of Dynamic Recrystallization. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 2567-2572	2.7	3
15	An Efficient Strategy to Take Texture-Induced Anisotropy Point-by-Point into Account during FE Simulations of Metal Forming Processes. <i>Materials Science Forum</i> , <b>2011</b> , 702-703, 26-33	0.4	3
14	Modelling of Microstructure Changes During Hot Deformation Using Cellular Automata. <i>Archives of Metallurgy and Materials</i> , <b>2011</b> , 56, 523-532		3

13	A Coupled Multiscale Model of Texture Evolution and Plastic Anisotropy <b>2010</b> ,	3
12	Identification of constitutive equation in hierarchical multiscale modelling of cup drawing process <b>2011</b> ,	2
11	Plastic Behaviour of Sheet Metals. <i>ESAFORM Bookseries on Material Forming</i> , <b>2016</b> , 1-46	1
10	Modelling of Microstructure Changes in Hot Deformed Materials Using Cellular Automata <b>2011</b> ,	1
9	Spatial clustering strategies for hierarchical multi-scale modelling of metal plasticity. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2017</b> , 25, 074003	2
8	A Numerical Model for the Prediction of Microstructure Distribution across the Thickness of Quenched Steel Plates. <i>Materials Science Forum</i> , <b>2019</b> , 949, 32-39	0.4
7	Multiscale Modelling of Mechanical Anisotropy. <i>ESAFORM Bookseries on Material Forming</i> , <b>2016</b> , 79-134	
6	Validation of a Multi-Scale Model for Shear Deformation of an Aluminium Sheet Alloy. <i>Key Engineering Materials</i> , <b>2014</b> , 611-612, 553-561	0.4
5	Simulation of a Thick Plate Forming Benchmark Using a Multi Scale Texture Evolution and Anisotropic Plasticity Model. <i>Key Engineering Materials</i> , <b>2013</b> , 549, 436-443	0.4
4	The Influence of Deformation Conditions on Structure of Fe-Al Intermetallic Phase - Based Alloys. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 1362-1367	0.4
3	Full-Field Multi-Scale Modelling of Sheet Metal Forming Taking the Evolution of Texture and Plastic Anisotropy Into Account <b>2013</b> , 213-218	
2	Full-Field Multi-Scale Modelling of Sheet Metal Forming Taking the Evolution of Texture and Plastic Anisotropy into Account 213-218	
1	The Application of Crystal Plasticity Material Files in Stamping Simulations. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1063, 012103	0.3