Jerzy Jg Gawad

List of Publications by Year in Descending Order

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-scale material modelling to predict the material anisotropy of multi-phase steels. *Computational Materials Science*, **2019**, 160, 382-396	3.2	6
29	A Numerical Model for the Prediction of Microstructure Distribution across the Thickness of Quenched Steel Plates. *Materials Science Forum*, **2019**, 949, 32-39	0.4	
28	The Application of Crystal Plasticity Material Files in Stamping Simulations. *Journal of Physics: Conference Series*, **2018**, 1063, 012103	0.3	
27	Spatial clustering strategies for hierarchical multi-scale modelling of metal plasticity. *Modelling and Simulation in Materials Science and Engineering*, **2017**, 25, 074003	2	
26	Advanced Plasticity Modeling for Ultra-Low-Cycle-Fatigue Simulation of Steel Pipe. *Metals*, **2017**, 7, 140	2.3	5
25	Plastic Behaviour of Sheet Metals. *ESAFORM Bookseries on Material Forming*, **2016**, 1-46		1
24	Multiscale Modelling of Mechanical Anisotropy. *ESAFORM Bookseries on Material Forming*, **2016**, 79-134		
23	An evolving plane stress yield criterion based on crystal plasticity virtual experiments. *International Journal of Plasticity*, **2015**, 75, 141-169	7.6	51
22	Multi-level modelling of mechanical anisotropy of commercial pure aluminium plate: Crystal plasticity models, advanced yield functions and parameter identification. *International Journal of Plasticity*, **2015**, 66, 3-30	7.6	99
21	The prediction of differential hardening behaviour of steels by multi-scale crystal plasticity modelling. *International Journal of Plasticity*, **2015**, 73, 119-141	7.6	29
20	Validation of a Multi-Scale Model for Shear Deformation of an Aluminium Sheet Alloy. *Key Engineering Materials*, **2014**, 611-612, 553-561	0.4	
19	Hierarchical multi-scale modeling of texture induced plastic anisotropy in sheet forming. *Computational Materials Science*, **2013**, 66, 65-83	3.2	36
18	Simulation of a Thick Plate Forming Benchmark Using a Multi Scale Texture Evolution and Anisotropic Plasticity Model. *Key Engineering Materials*, **2013**, 549, 436-443	0.4	
17	Full-Field Multi-Scale Modelling of Sheet Metal Forming Taking the Evolution of Texture and Plastic Anisotropy Into Account **2013**, 213-218		
16	Multi-scale modelling of the development of heterogeneous distributions of stress, strain, deformation texture and anisotropy in sheet metal forming. *Procedia IUTAM*, **2012**, 3, 67-75		5
15	A full-field strategy to take texture-induced anisotropy into account during FE simulations of metal forming processes. *Jom*, **2011**, 63, 37-43	2.1	21
14	Identification of constitutive equation in hierarchical multiscale modelling of cup drawing process **2011**,		2

List of Publications

#	Title		
13	An Efficient Strategy to Take Texture-Induced Anisotropy Point-by-Point into Account during FE Simulations of Metal Forming Processes. *Materials Science Forum*, **2011**, 702-703, 26-33	0.4	3
12	Modelling of Microstructure Changes During Hot Deformation Using Cellular Automata. *Archives of Metallurgy and Materials*, **2011**, 56, 523-532		3
11	Modelling of Microstructure Changes in Hot Deformed Materials Using Cellular Automata **2011**,		1
10	The Influence of Deformation Conditions on Structure of Fe-Al Intermetallic Phase - Based Alloys. *Materials Science Forum*, **2010**, 638-642, 1362-1367	0.4	
9	Multiscale CAFE Modelling of Dynamic Recrystallization. *Materials Science Forum*, **2010**, 638-642, 2567-2572	0.4	3
8	A Coupled Multiscale Model of Texture Evolution and Plastic Anisotropy **2010**,		3
7	Internal Variable and Cellular Automata-Finite Element Models of Heat Treatment. *International Journal for Multiscale Computational Engineering*, **2010**, 8, 267-285	2.4	9
6	Validation of Multi-scale Model Describing Microstructure Evolution in Steels. *Steel Research International*, **2008**, 79, 652-659	1.6	7
5	Multiscale model of dynamic recrystallization in hot rolling. *International Journal of Material Forming*, **2008**, 1, 69-72	2	4
4	Inverse analysis for identification of rheological and friction models in metal forming. *Computer Methods in Applied Mechanics and Engineering*, **2006**, 195, 6778-6798	5.7	90
3	Identification of Rheological Parameters on the Basis of Various Types of Compression and Tension Tests. *Steel Research International*, **2005**, 76, 131-137	1.6	16
2	Inverse Analysis of Tensile Tests. *Steel Research International*, **2005**, 76, 807-814	1.6	5
1	Full-Field Multi-Scale Modelling of Sheet Metal Forming Taking the Evolution of Texture and Plastic Anisotropy into Account 213-218		