Yuichi Tadano

List of Publications by Year
in descending order

42	440	759233 12	794594 19
papers	citations	h-index	g-index

44	44	44	362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of twinning deformation and lattice rotation on strength differential effect in polycrystalline pure magnesium with rolling texture. Computational Materials Science, 2009, 47, 448-455.	3.0	65
2	Work-hardening behavior of polycrystalline aluminum alloy under multiaxial stress paths. International Journal of Plasticity, 2014, 53, 17-39.	8.8	51
3	Anisotropic deformation induced by spherical indentation of pure Mg single crystals. Acta Materialia, 2014, 78, 290-300.	7.9	49
4	Polycrystalline behavior analysis of pure magnesium by the homogenization method. International Journal of Mechanical Sciences, 2010, 52, 257-265.	6.7	37
5	Plastic flow localization analysis of heterogeneous materials using homogenization-based finite element method. International Journal of Mechanical Sciences, 2013, 72, 63-74.	6.7	32
6	A crystal plasticity modeling considering volume fraction of deformation twinning. International Journal of Plasticity, 2016, 84, 88-101.	8.8	32
7	Improvement in formability of aluminum alloy sheet by enhancing geometrical hardening. Computational Materials Science, 2009, 46, 459-468.	3.0	29
8	Quantitative re-examination of Taylor model for FCC polycrystals. Computational Materials Science, 2012, 51, 290-302.	3.0	26
9	Formability of magnesium sheet with rolling texture. International Journal of Mechanical Sciences, 2016, 108-109, 72-82.	6.7	24
10	Crystal Plasticity Analysis of Development of Intragranular Misorientations due to Kinking in HCP Single Crystals Subjected to Uniaxial Compressive Loading. Materials Transactions, 2015, 56, 963-972.	1.2	22
11	Analysis of Shear Droop on Cut Surface of High-Tensile-Strength Steel in Fine-Blanking Process. Materials Transactions, 2011, 52, 447-451.	1.2	13
12	Determination of the Values of Critical Ductile Fracture Criteria to Predict Fracture Initiation in Punching Processes. Journal of Manufacturing and Materials Processing, 2017, 1, 12.	2.2	13
13	A Polycrystalline Analysis of Hexagonal Metal Based on the Homogenized Method. Key Engineering Materials, 2007, 340-341, 1049-1054.	0.4	12
14	Application of Finite Element Method to Analysis of Ductile Fracture Criteria for Punched Cutting Surfaces. Materials Transactions, 2013, 54, 1697-1702.	1.2	11
15	Superior energy absorption in porous magnesium: Contribution of texture development triggered by intra-granular misorientations. Acta Materialia, 2019, 165, 62-72.	7.9	11
16	Application of Finite Element Method to Analyze the Influences of Process Parameters on the Cut Surface in Fine Blanking Processes by Using Clearance-Dependent Critical Fracture Criteria. Journal of Manufacturing and Materials Processing, 2018, 2, 26.	2.2	3
17	A Triple-Scale Crystal Plasticity Simulation on Yield Behavior of Annealed FCC Fine-Grained Metals. Materials Science Forum, 0, 584-586, 1027-1032.	0.3	2
18	Geometrically Nonlinear Analyses Using 2-Dimensional Generalized Finite Element Enriched by the Quadratic Deformation Mode. Journal of Computational Science and Technology, 2010, 4, 11-24.	0.4	2

#	Article	IF	Citations
19	Investigation on Intragranular Stress of Mg Including Several Twin-Bands Using Dislocation-Based Crystal Plasticity and Phase-Field Models. Key Engineering Materials, 0, 626, 246-251.	0.4	2
20	Hydrostatic Pressure Dependent Crystal Plasticity by Homogenization-based Finite Element Method. ISIJ International, 2016, 56, 700-707.	1.4	2
21	Effect of Texture on Plastic Flow Localization of FCC Polycrystals Using Homogenization-Based Polycrystalline Plasticity. Key Engineering Materials, 2014, 626, 450-455.	0.4	1
22	A Phase-Field Simulation of Nucleation from Subgrain and Grain Growth in Static Recrystallization. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 853-860.	0.2	1
23	Plastic Instability Analysis of Thin-Walled Tube Usine Bi-Axial Stress Control. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2004, 70, 1499-1506.	0.2	0
24	Dislocation-Based Crystal Plasticity Modeling and Simulation for HCP Metals Considering Evolution of Twin-Microstructure. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2012, 78, 1157-1172.	0.2	0
25	Quantitative Evaluation of Deformation Twinning Behavior in Polycrystalline Pure Magnesium. Key Engineering Materials, 0, 725, 214-219.	0.4	0
26	Effect of Lattice Rotation on Hardening Behavior of HCP Metals. Key Engineering Materials, 0, 725, 502-507.	0.4	0
27	Subsequent Yield Behavior of Hexagonal Metal with Rolling Texture. Key Engineering Materials, 0, 725, 220-225.	0.4	0
28	Effect of deformation twinning on forming limit analysis of polycrystalline magnesium. Journal of Physics: Conference Series, 2018, 1063, 012049.	0.4	0
29	Forming Limit Analysis of Hexagonal Metal Considering Volume Fraction of Deformation Twinning. Key Engineering Materials, 0, 794, 226-231.	0.4	0
30	Plastic Flow Direction of Polycrystalline Magnesium. Materials Transactions, 2021, 62, 88-97.	1.2	0
31	OS0306 Local Necking Behavior Analysis of Pure Magnesium Based on Polycrystal Plasticity Model. The Proceedings of the Materials and Mechanics Conference, 2009, 2009, 584-586.	0.0	0
32	1126 A GN Dislocation-crystal Plasticity Simulation on Ultrafine-graining of Magnesium Based on Deformation Twinning. The Proceedings of the Computational Mechanics Conference, 2010, 2010.23, 358-359.	0.0	0
33	715 A Three-dimensional GN Dislocation-crystal Plasticity Simulation for Evolution of Twinning in HCP Crystal. The Proceedings of the Computational Mechanics Conference, 2011, 2011.24, 193-195.	0.0	0
34	OS2004 Study on deformation twinning in polycrystalline analysis of magnesium alloy. The Proceedings of the Materials and Mechanics Conference, 2011, 2011, _OS2004-1_-_OS2004-2_.	0.0	0
35	OS0313 Evaluation of Yield Surface of HCP Metals Using Crystal Plasticity Model. The Proceedings of the Materials and Mechanics Conference, 2012, 2012, _OS0313-1_-_OS0313-2_.	0.0	0
36	NM-JP-8 Multiphysics modeling of deformation twinning in HCP metals based on phase-field approach. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _NM-JP-8-1-_NM-JP-8-6.	0.0	0

#	Article	IF	Citations
37	OS0411 Quantitative study on non-normality effect of magnesium alloy. The Proceedings of the Materials and Mechanics Conference, 2013, 2013, _OS0411-1_-_OS0411-2_.	0.0	0
38	OS0111 A quantitative study on twinned region evolution in crystal grain of HCP metal. The Proceedings of the Materials and Mechanics Conference, 2014, 2014, _OS0111-1_-_OS0111-2_.	0.0	0
39	Effect of basal and non-basal slip system activities on non-normality in hexagonal metal. The Proceedings of the Materials and Mechanics Conference, 2016, 2016, OS01-04.	0.0	0
40	Material Modeling with Verification and Validation. Zairyo/Journal of the Society of Materials Science, Japan, 2018, 67, 581.	0.2	0
41	Investigation on Numerical Analysis Methods for Kink Band Formation in Mg-based LPSO Phase Based on Crystal Plasticity Cosserat Model Considering Disclination Density. The Proceedings of the Materials and Mechanics Conference, 2019, 2019, OS0719.	0.0	0
42	Assessment of Generalized Finite Elements in Nonlinear Analysis. , 2007, , 235-247.		0