Akinori Yamanaka

List of Publications by Citations

136 papers	1,282 citations	18 h-index	34 g-index
142 ext. papers	1,461 ext. citations	2.5 avg, IF	4.73 L-index

#	Paper	IF	Citations
136	Multi-phase-field simulations for dynamic recrystallization. *Computational Materials Science*, **2009**, 45, 881-888	3.2	114
135	Elastoplastic phase-field simulation of self- and plastic accommodations in martensitic transformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 491, 378-384	5.3	99
134	Unexpected selection of growing dendrites by very-large-scale phase-field simulation. *Journal of Crystal Growth*, **2013**, 382, 21-25	1.6	95
133	Peta-scale phase-field simulation for dendritic solidification on the TSUBAME 2.0 supercomputer **2011**,		88
132	Multi-Phase-Field Model to Simulate Microstructure Evolutions during Dynamic Recrystallization. *Materials Transactions*, **2008**, 49, 2559-2565	1.3	78
131	GPU-accelerated phase-field simulation of dendritic solidification in a binary alloy. *Journal of Crystal Growth*, **2011**, 318, 40-45	1.6	67
130	Phase-field model during static recrystallization based on crystal-plasticity theory. *Journal of Computer-Aided Materials Design*, **2007**, 14, 75-84		62
129	Multiscale modeling of hot-working with dynamic recrystallization by coupling microstructure evolution and macroscopic mechanical behavior. *International Journal of Plasticity*, **2014**, 52, 105-116	7.6	61
128	Elastoplastic phase-field simulation of martensitic transformation with plastic deformation in polycrystal. *International Journal of Mechanical Sciences*, **2010**, 52, 245-250	5.5	57
127	Phase-Field Simulation of Austenite to Ferrite Transformation and Widmanstätten Ferrite Formation in Fe-C Alloy. *Materials Transactions*, **2006**, 47, 2725-2731	1.3	45
126	Phase field crystal simulation of grain boundary motion, grain rotation and dislocation reactions in a BCC bicrystal. *Acta Materialia*, **2017**, 133, 160-171	8.4	39
125	Simulation of Austenite-to-ferrite Transformation in Deformed Austenite by Crystal Plasticity Finite Element Method and Multi-phase-field Method. *ISIJ International*, **2012**, 52, 659-668	1.7	36
124	Rapid fabrication of an ordered nano-dot array by the combination of nano-plastic forming and annealing methods. *Journal of Micromechanics and Microengineering*, **2011**, 21, 125017	2	28
123	Data assimilation for massive autonomous systems based on a second-order adjoint method. *Physical Review E*, **2016**, 94, 043307	2.4	28
122	Multi-phase-field simulation of cyclic phase transformation in Fe-C-Mn and Fe-C-Mn-Si alloys. *Computational Materials Science*, **2017**, 136, 67-75	3.2	27
121	Coupled simulation of microstructural formation and deformation behavior of ferrite–pearlite steel by phase-field method and homogenization method. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 480, 244-252	5.3	26
120	Grain boundary mobilities in polycrystals. *Acta Materialia*, **2020**, 191, 211-220	8.4	25

119	Data assimilation for phase-field models based on the ensemble Kalman filter. *Computational Materials Science*, **2018**, 141, 141-152	3.2	20
118	Deep neural network approach to estimate biaxial stress-strain curves of sheet metals. *Materials and Design*, **2020**, 195, 108970	8.1	18
117	Control of lamella precipitation in Ti39 at.% Al single crystals by nanogroove-induced dislocation bands. *Acta Materialia*, **2015**, 96, 352-365	8.4	17
116	Multi-phase-field Simulations of Dynamic Recrystallization during Transient Deformation. *ISIJ International*, **2011**, 51, 1717-1723	1.7	17
115	Multi-phase-field modeling of diffusive solid phase transition in carbon steel during continuous cooling transformation. *Journal of Crystal Growth*, **2008**, 310, 1337-1342	1.6	17
114	Ensemble Kalman filter-based data assimilation for three-dimensional multi-phase-field model: Estimation of anisotropic grain boundary properties. *Materials and Design*, **2019**, 165, 107577	8.1	16
113	Fabrication of three-dimensional ordered nanodot array structures by a thermal dewetting method. *Nanotechnology*, **2012**, 23, 485303	3.4	14
112	Material modeling and forming simulation of 5182 aluminum alloy sheet using numerical biaxial tensile test based on homogenized crystal plasticity finite element method. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 561-567	0.3	12
111	Phase-field modeling for pH-dependent general and pitting corrosion of iron. *Scientific Reports*, **2018**, 8, 12777	4.9	11
110	Biaxial tensile deformation simulation of 5000 series aluminum alloy sheet using crystal plasticity finite element method based on homogenization method and its experimental validation. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 196-203	0.3	10
109	Fabrication of Gold Nanodot Array on Plastic Films for Bio-sensing Applications. *Procedia CIRP*, **2013**, 5, 47-52	1.8	9
108	Fabrication of Ordered Gold Nano Dot Array by Nano Plastic Forming and Self-Assembly. *Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C*, **2011**, 77, 1143-1153		9
107	Nanoplastic deformation on Ti39at.% Al single crystals for manipulation of every single lamella. *Acta Materialia*, **2014**, 76, 331-341	8.4	8
106	Effects of process conditions on nano-dot array formation by thermal dewetting. *Journal of Manufacturing Processes*, **2012**, 14, 478-486	5	8
105	Phase-Field Modeling for Dynamic Recrystallization. *Advanced Structured Materials*, **2015**, 441-459	0.6	8
104	Multiphase Field Simulation of Austenite-to-Ferrite Transformation Accelerated by GPU Computing. *Journal of Computational Science and Technology*, **2012**, 6, 182-197		7
103	Effects of Morphology of Nanodots on Localized Surface Plasmon Resonance Property. *International Journal of Automation Technology*, **2014**, 8, 74-82	0.8	7
102	Estimation of Texture-Dependent Stress-Strain Curve and r-Value of Aluminum Alloy Sheet Using Deep Learning. *Materials Transactions*, **2020**, 61, 2276-2283	1.3	7

101	Voxel coarsening approach on image-based finite element modeling of representative volume element. *International Journal of Mechanical Sciences*, **2019**, 150, 314-321	5.5	7
100	High Throughput Method to Fabricate Ordered Nano Dot Array on Various Plastic Films. *Key Engineering Materials*, **2012**, 523-524, 633-638	0.4	6
99	Multiple-GPU Scalability of Phase-Field Simulation for Dendritic Solidification. *Progress in Nuclear Science and Technology*, **2011**, 2, 639-642	0.3	6
98	Simulation of Microstructure Evolution and Deformation Behavior for Dual-Phase Steel by Multi-Phase-Field Method and Elastoplastic Finite Element Method. *International Journal of Automation Technology*, **2013**, 7, 16-23	0.8	6
97	Microstructure-Based Multiscale Analysis of Hot Rolling of Duplex Stainless Steel Using Various Simulation Software. *Integrating Materials and Manufacturing Innovation*, **2017**, 6, 69-82	2.9	5
96	Phase-Field Simulation of □Growth Stagnation During □-□Transformation in Fe-X-Y and Fe-C-Mn Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 5023-5034	2.3	5
95	Optical Properties of Multilayer Ordered Gold Nanodot Array Fabricated by a Thermal Dewetting Method. *Procedia CIRP*, **2013**, 5, 42-46	1.8	5
94	Analysis of □transformation in Fe-C-Mn ternary alloy by phase-field simulation coupled with CALPHAD database. *Journal of Crystal Growth*, **2017**, 468, 63-67	1.6	5
93	Regularly-formed three-dimensional gold nanodot array with controllable optical properties. *Journal of Micromechanics and Microengineering*, **2014**, 24, 045011	2	4
92	Image features of a splashing drop on a solid surface extracted using a feedforward neural network. *Physics of Fluids*, **2022**, 34, 013317	4.4	4
91	Quantitative three-dimensional phase-field modeling of dendritic solidification coupled with local ensemble transform Kalman filter. *Computational Materials Science*, **2021**, 190, 110296	3.2	4
90	Prediction of 3D Microstructure and Plastic Deformation Behavior in Dual-Phase Steel Using Multi-Phase Field and Crystal Plasticity FFT Methods. *Key Engineering Materials*, **2015**, 651-653, 570-574	0.4	3
89	Multi-phase-field modelling of electromigration-induced void migration in interconnect lines having bamboo structures. *Computational Materials Science*, **2020**, 184, 109848	3.2	3
88	Solidification analysis by non-equilibrium phase field model using thermodynamics data estimated by machine learning. *Modelling and Simulation in Materials Science and Engineering*, **2019**, 27, 084008	2	3
87	Multi-Phase-Field Simulation of Flow Stress and Microstructural Evolution during Deformation-Induced Ferrite Transformation in a Fe□ Alloy. *ISIJ International*, **2014**, 54, 2917-2925	1.7	3
86	Data assimilation for three-dimensional phase-field simulation of dendritic solidification using the local ensemble transform Kalman filter. *Materials Today Communications*, **2020**, 25, 101331	2.5	3
85	Development of Microstructure Simulation System in SIP-Materials Integration Projects. *Materials Transactions*, **2020**, 61, 2047-2051	1.3	2
84	Molten metal flow coupling non-equilibrium phase-field model simulation using thermodynamics data estimated by machine learning for solidification microstructure evolution. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 066	0	2

83	Influence of hardening functions on earing prediction in cup drawing of AA3104 aluminum alloy sheet. *Journal of Physics: Conference Series*, **2018**, 1063, 012114	0.3	2
82	Texture evolution in single crystal iron static recrystallization through in-situ EBSD observation. *Procedia Manufacturing*, **2018**, 15, 1565-1572	1.5	2
81	Estimation of solid-state sintering and material parameters using phase-field modeling and ensemble four-dimensional variational method. *Modelling and Simulation in Materials Science and Engineering*, **2021**, 29, 065012	2	2
80	Solidification Simulation of Fe□CrNiMo□ Duplex Stainless Steel Using CALPHAD-Coupled Multi-phase Field Model with Finite Interface Dissipation. *Minerals, Metals and Materials Series*, **2017**, 283-292	0.3	1
79	Prediction of deformed- and recrystallized microstructures in metallic materials by crystal plasticity analysis and multi-phase-field method. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 542-548	0.3	1
78	Phase-field Simulation of Widmanstaetten Ferrite Formation in Fe-C Alloy. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2006**, 72, 1676-1683		1
77	3279 Development of Metallic Microstructure Control Method by using Nano Plastic Forming. *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2011**, 2011.6, _3279-1_-_3279-5_		1
76	3397 Finite-Difference-Time-Domain Analysis of Optical Properties of Ordered Nano-Dots Array Fabricated with Nano Plastic Forming. *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2011**, 2011.6, _3397-1_-_3397-5_		1
75	Efficient estimation of material parameters using DMC-BO: Application to phase-field simulation of solid-state sintering. *Materials Today Communications*, **2022**, 30, 103089	2.5	1
74	3250 Development of nanostructured foil mold for roller nano imprint process. *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2011**, 2011.6, _3250-1_-_3250-6_		1
73	Numerical biaxial tensile test for sheet metal forming simulation of aluminium alloy sheets based on the homogenized crystal plasticity finite element method. *Journal of Physics: Conference Series*, **2016**, 734, 032005	0.3	1
72	Prediction of Static Recrystallization Nucleation Sites in Tensile Deformed Single Crystal Pure Iron through a Combination of In-Situ EBSD and CP-FEM. *Metals*, **2018**, 8, 858	2.3	1
71	Novel estimation method for anisotropic grain boundary properties based on Bayesian data assimilation and phase-field simulation. *Materials and Design*, **2021**, 210, 110089	8.1	1
70	Grain Growth in a System Containing Finely Dispersed Mobile Second-Phase Particles: a GPU-Accelerated Multi-Phase-Field Study29-34		0
69	Bayesian texture optimization using deep neural network-based numerical material test. *International Journal of Mechanical Sciences*, **2022**, 223, 107285	5.5	0
68	Development of Microstructure-Based Multiscale Simulation Process for Hot Rolling of Duplex Stainless Steel. *Minerals, Metals and Materials Series*, **2017**, 345-352	0.3	
67	Multi-Phase-Field Analysis of Stress□Strain Curve and Ferrite Grain Formation during Dynamic Strain-Induced Ferrite Transformation. *Key Engineering Materials*, **2014**, 626, 81-84	0.4	
66	Optical property of metallic nanodot arrays fabricated by combination of nano plastic forming and thermal dewetting method. *Transactions of the JSME (in Japanese)*, **2014**, 80, MN0272-MN0272	0.2	

65	Large Scale 3D Multi-Phase-Field Simulation of Microstructure Evolution Using TSUBAME2.5 GPU-Supercomputer **2014**, 59-64	
64	Efficient Fabrication of Ordered Metal Nanodot Array Using Nanoimprint Method with a TiN Thin-Film Mold and Annealing Method. *Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C*, **2012**, 78, 3995-4004	
63	A New Process to Fabricate Three Dimensional Ordered Nano Dot Array Structures by Nano Plastic Forming and Dewetting. *Key Engineering Materials*, **2012**, 523-524, 627-632	0.4
62	MPF-FDTD Simulations of Fabrication and Optical Analysis of Ordered Gold Nano-Dots Array. *Key Engineering Materials*, **2012**, 523-524, 621-626	0.4
61	Development of Crystal Plasticity Phase-Field Model and Simulation of Microstructure Evolution with Plastic Deformation. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2009**, 75, 1794-1803	
60	Phase-field Analysis of Austenite-to-ferrite Transformation and Carbon Diffusion in Fe-C Alloy. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2007**, 73, 209-215	
59	Data assimilation of Elastoplastic Finite Element Analysis Based on the Ensemble Kalman Filter. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 088	0
58	Evaluation of discharge performance of LiCoO2-type lithium ion battery using phase field method. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 089	0
57	Polycrystalline Grain Growth Simulation using Phase-field Crystal Method. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 067	0
56	Development of three-dimensional simulation method of the void migration caused by electromigration in the interconnect line with bamboo structure. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 091	0
55	Simulation of Corrosion in Iron using Phase-field Method. *The Proceedings of Conference of Kanto Branch*, **2018**, 2018.24, GS0118	0
54	Data Assimilation of Static Recrystallization Simulation using Multi-phase-field Method. *The Proceedings of the Computational Mechanics Conference*, **2018**, 2018.31, 087	0
53	Three-dimensional phase-field simulation of microstructure formation during solid-state sintering in polycrystalline superconducting materials. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 034	0
52	Conditional Generative Adversarial Networks used to Design Microstructures in Aluminum Alloys. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 061	0
51	Rapid estimation of deformation behavior of aluminum alloy sheet using deep learning. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 055	0
50	Evaluation of Estimation Accuracy of Sequential Data Assimilation Methods for Phase-field Models. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 056	0
49	Phase-field simulation of steel microstructure changes during welding process coupled with CCT diagram. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 143	0
48	Application of the data assimilation method incorporating conservation laws and constraints to the phase-field method. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 115	0

47	Non-equilibrium Multi-Phase-Field Simulation of Growth of Intermetallic Compounds in Sn-Cu Alloy. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 247	0
46	Data Assimilation for Simulation of Alloy Solidification Using Local Ensemble Transform Kalman Filter. *The Proceedings of the Computational Mechanics Conference*, **2019**, 2019.32, 060	0
45	Progress in phase-field method integrated with data assimilation. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2019**, 69, 591-601	0.3
44	Estimation of Texture-dependent Stress-Strain Curve and r-value of Aluminum Alloy Sheet Using Deep Learning. *Journal of the Japan Society for Technology of Plasticity*, **2020**, 61, 48-55	0.3
43	027 Three-dimensional Multi-phase-field Simulation of Polycrystalline Grain Growth with Mobile Particle Pinning. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _027-1_-_027-2_	0
42	181 Three-dimensional Simulation of Deformed Austenite-to-ferrite Transformation in Steel using Crystal Plasticity FFT method and Multi-Phase-Field Method. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _181-1_-_181-2_	0
41	134 Data assimilation for massive simulation models: in the case of the phase field model. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _134-1_-_134-2_	0
40	207 Parallelization of Numerical Method for two-dimensional Non-equilibrium Multi-Phase Field Model of Quinary System. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _207-1_-_207-2_	0
39	139 Two-dimensional Simulation of Austenite-to-ferrite Transformation in Fe-C-Mn alloy using Non-equilibrium Multi-Phase-Field Model. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _139-1_-_139-2_	0
38	289 Growth of a crack in the Maxwell viscoelastic body containing pressurized pore. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _289-1_-_289-2_	0
37	099 Implementation of Ensemble Kalman Filter to Phase-field Simulation. *The Proceedings of the Computational Mechanics Conference*, **2015**, 2015.28, _099-1_-_099-2_	0
36	Phase-field crystal simulation of grain boundary migration and grain rotation. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 4_261	0
35	Data Assimilation of 2D Phase-field Simulation using Ensemble Kalman Filter. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 4_273	0
34	Numerical biaxial tensile test and forming simulation by crystal plasticity finite element method. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 4_238	0
33	Development of MPI parallel program of multi-phase-field model coupled with CALPHAD database for duplex-phase solidification in quinary system of stainless steel. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 073	0
32	Nano simulation study of mechanical property parameter for microstructure-based multiscale simulation. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 4_126	0
31	Grain Growth in a System Containing Finely Dispersed Mobile Second-Phase Particles: A GPU-Accelerated Multi-Phase-Field Study **2016**, 29-34	
30	Multi-Phase-Field Modeling of Austenite-to-Ferrite Transformation in Fe-C-Mn-Si Alloy. *The Proceedings of the Computational Mechanics Conference*, **2016**, 2016.29, 087	0

29	A study on crystalline microstructure control for development of functional surfaces. *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2017**, 2017.9, 052	
28	Phase-field crystal and molecular dynamics simulations of grain boundary migration and dislocation behavior. *The Proceedings of the Computational Mechanics Conference*, **2017**, 2017.30, 163	0
27	Application of Ensemble Kalman Smoother to Phase-field Method. *The Proceedings of the Computational Mechanics Conference*, **2017**, 2017.30, 099	0
26	Generalized evaluation method for anisotropy of elastic tensor obtained by homogenization method and its application to transverse isotropic material property. *The Proceedings of the Computational Mechanics Conference*, **2017**, 2017.30, 068	0
25	Nano Simulation Study of Mechanical Property Parameter for Microstructure-Based Multiscale Simulation. *Minerals, Metals and Materials Series*, **2017**, 327-332	0.3
24	Search for elastic constants associated with machine learning. *The Proceedings of the Computational Mechanics Conference*, **2017**, 2017.30, 246	0
23	Analysis of stress evolution in LiCoO2 positive electrode of lithium-ion battery by phase-field method. *The Proceedings of the Computational Mechanics Conference*, **2017**, 2017.30, 106	0
22	A23 Fundamental Study for Development of Metallic Functional Material by Nano/micro Plastic Forming(M4 processes and micro-manufacturing for science). *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2009**, 2009.5, 301-304	
21	1107 Three-dimensional Simulation of Martensitic Transformation by Phase-Field Method. *The Proceedings of the Computational Mechanics Conference*, **2009**, 2009.22, 51-52	0
20	1106 Multi-Phase-Field Simulation of Diffusional Transformation in Steel. *The Proceedings of the Computational Mechanics Conference*, **2009**, 2009.22, 49-50	0
19	A21 Crystal Plasticity Finite Element Simulation of Nano/Micro Plastic Forming for Metallic Material(M4 processes and micro-manufacturing for science). *Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21*, **2009**, 2009.5, 293-296	
18	905 Evaluation of Optical Properties of Metal Nano-dots Array by MPF and FDTD Methods. *The Proceedings of the Computational Mechanics Conference*, **2011**, 2011.24, 294-295	0
17	1606 MPF-FDTD Modeling of Gold Nano-dots Array Formation and Optical Response due to LSPR. *The Proceedings of the Computational Mechanics Conference*, **2012**, 2012.25, 620-621	0
16	1106 Evaluation of Acceleration of Multi-Phase-Field Simulation by GPU Computing. *The Proceedings of the Computational Mechanics Conference*, **2012**, 2012.25, 58-59	0
15	1406 Evaluation of Microstructural Morphology Dependent Deformation Behavior of Dual-Phase Steel using Crystal Plasticity Finite Element and Multi-Phase-Field Methods. *The Proceedings of the Computational Mechanics Conference*, **2013**, 2013.26, _1406-1_-_1406-2_	0
14	805 Large-scale Multi-Phase-Field Simulation of Grain Growth in Polycrystals : Implementation on TSUBAME 2.0 GPU Supercomputer. *The Proceedings of the Computational Mechanics Conference*, **2013**, 2013.26, _805-1_-_805-3_	0
13	Phase-field Modeling to Predict Microstructure and Mechanical Behavior of Polycrystalline Metallic Materials. *Journal of the Japan Society for Technology of Plasticity*, **2013**, 54, 906-910	0.3
12	1604 Phase-Field Microelasticity Analysis of Stress Field Evolution in Grain Growth. *The Proceedings of the Computational Mechanics Conference*, **2013**, 2013.26, _1604-1_-_1604-2_	0

List of Publications

11	Simulation of Austenite-to-ferrite Transformation in Multi-component Steel using Non-equilibrium Multi-Phase-Field Model. *The Proceedings of the Computational Mechanics Conference*, **2014**, 2014.27, 571-572	0
10	20105 Multi-Phase-Field Modeling of Dynamic Deformation-induced Ferrite Transformation. *The Proceedings of Conference of Kanto Branch*, **2014**, 2014.20, _20105-1_-_20105-2_	0
9	Crystal plasticity finite element analysis of plastic deformation behavior of Zirconium. *The Proceedings of the Computational Mechanics Conference*, **2014**, 2014.27, 5-6	0
8	Homogenized Crystal Plasticity Finite Element Analysis and its Experimental Verification of Biaxial Deformation of Aluminum Alloy Sheet. *The Proceedings of the Computational Mechanics Conference*, **2014**, 2014.27, 499-500	0
7	Multi-Phase-Field Modelling of Deformation-induced Ferrite Transformation. *The Proceedings of the Computational Mechanics Conference*, **2014**, 2014.27, 573-574	0
6	Numerical Biaxial Tensile Test of Aluminum Alloy Sheets Using Crystal Plasticity Model Implemented in Commercial FEM Software. *Key Engineering Materials*, **2016**, 725, 255-260	0.4
5	Numerical Biaxial Tensile and Tension-Compression Tests of Aluminum Alloy Sheet Using Crystal Plasticity Finite Element Method. *Materials Science Forum*, **2018**, 920, 187-192	0.4
4	Work hardening during alternating load directions of 316L SS. *Procedia Manufacturing*, **2018**, 15, 1777-1784	1.5
3	Microstructure-based multiscale approach to obtain mechanical property of duplex stainless steel according to ICME concept. *Journal of Physics: Conference Series*, **2018**, 1063, 012188	0.3
2	Phase-Field Simulation of Sn-Cu Alloys Containing Intermetallic Compounds. *The Proceedings of the Computational Mechanics Conference*, **2021**, 2021.34, 122	0
1	BOXVIA: Bayesian optimization executable and visualizable application. *SoftwareX*, **2022**, 18, 101019	2.7