

Oana Cazacu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3592561/oana-cazacu-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

157
papers

3,890
citations

28
h-index

61
g-index

168
ext. papers

4,280
ext. citations

3.3
avg, IF

5.89
L-index

#	Paper	IF	Citations
157	Orthotropic yield criterion for hexagonal closed packed metals. <i>International Journal of Plasticity</i> , 2006 , 22, 1171-1194	7.6	518
156	A criterion for description of anisotropy and yield differential effects in pressure-insensitive metals. <i>International Journal of Plasticity</i> , 2004 , 20, 2027-2045	7.6	323
155	Orthotropic yield criteria for description of the anisotropy in tension and compression of sheet metals. <i>International Journal of Plasticity</i> , 2008 , 24, 847-866	7.6	215
154	Anisotropic response of high-purity Titanium: Experimental characterization and constitutive modeling. <i>International Journal of Plasticity</i> , 2010 , 26, 516-532	7.6	206
153	Generalization of Drucker's Yield Criterion to Orthotropy. <i>Mathematics and Mechanics of Solids</i> , 2001 , 6, 613-630	2.3	197
152	Macroscopic yield criteria for plastic anisotropic materials containing spheroidal voids. <i>International Journal of Plasticity</i> , 2008 , 24, 1158-1189	7.6	179
151	Advances in anisotropy and formability. <i>International Journal of Material Forming</i> , 2010 , 3, 165-189	2	170
150	On linear transformations of stress tensors for the description of plastic anisotropy. <i>International Journal of Plasticity</i> , 2007 , 23, 876-896	7.6	169
149	Anisotropic yield function of hexagonal materials taking into account texture development and anisotropic hardening. <i>Acta Materialia</i> , 2006 , 54, 4159-4169	8.4	158
148	Modeling bending of Titanium with embedded polycrystal plasticity in implicit finite elements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 564, 116-126	5.3	133
147	Application of the theory of representation to describe yielding of anisotropic aluminum alloys. <i>International Journal of Engineering Science</i> , 2003 , 41, 1367-1385	5.7	109
146	On the use of homogeneous polynomials to develop anisotropic yield functions with applications to sheet forming. <i>International Journal of Plasticity</i> , 2008 , 24, 915-944	7.6	81
145	Elastic-viscoplastic anisotropic modeling of textured metals and validation using the Taylor cylinder impact test. <i>International Journal of Plasticity</i> , 2007 , 23, 1001-1021	7.6	71
144	Experimental characterization and elasto-plastic modeling of the quasi-static mechanical response of TA-6V at room temperature. <i>International Journal of Solids and Structures</i> , 2011 , 48, 1277-1289	3.1	69
143	Analytic plastic potential for porous aggregates with matrix exhibiting tension-compression asymmetry. <i>Journal of the Mechanics and Physics of Solids</i> , 2009 , 57, 325-341	5	65
142	Earing predictions for strongly textured aluminum sheets. <i>International Journal of Mechanical Sciences</i> , 2010 , 52, 1563-1578	5.5	62
141	Constitutive modeling of AZ31 sheet alloy with application to axial crushing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 565, 203-212	5.3	53

140	Analytical yield criterion for an anisotropic material containing spherical voids and exhibiting tension-compression asymmetry. <i>International Journal of Solids and Structures</i> , 2011 , 48, 357-373	3.1	53
139	The importance of secondary and ternary twinning in compressed Ti. <i>Scripta Materialia</i> , 2011 , 64, 840-843	3.6	52
138	Orthotropic strain rate potential for the description of anisotropy in tension and compression of metals. <i>International Journal of Plasticity</i> , 2010 , 26, 887-904	7.6	51
137	Experimental and finite-element analysis of the anisotropic response of high-purity titanium in bending. <i>Acta Materialia</i> , 2010 , 58, 5759-5767	8.4	44
136	Forming simulation of aluminum sheets using an anisotropic yield function coupled with crystal plasticity theory. <i>International Journal of Solids and Structures</i> , 2010 , 47, 2223-2233	3.1	44
135	Combined effects of anisotropy and tension-compression asymmetry on the torsional response of AZ31 Mg. <i>International Journal of Solids and Structures</i> , 2015 , 58, 190-200	3.1	38
134	On the Combined Effect of Pressure and Third Invariant on Yielding of Porous Solids With von Mises Matrix. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	37
133	New yield criteria for isotropic and textured metallic materials. <i>International Journal of Solids and Structures</i> , 2018 , 139-140, 200-210	3.1	34
132	Hardening in relation with microstructure evolution of high purity titanium deformed under monotonic and cyclic simple shear loadings at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 535, 12-21	5.3	29
131	New analytical criterion for porous solids with Tresca matrix under axisymmetric loadings. <i>International Journal of Solids and Structures</i> , 2014 , 51, 861-874	3.1	29
130	Effect of single-crystal plastic deformation mechanisms on the dilatational plastic response of porous polycrystals. <i>International Journal of Solids and Structures</i> , 2012 , 49, 3838-3852	3.1	29
129	Correlation between swift effects and tension-compression asymmetry in various polycrystalline materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2014 , 70, 104-115	5	28
128	Plastic deformation of high-purity titanium: Model development and validation using the Taylor cylinder impact test. <i>Mechanics of Materials</i> , 2015 , 80, 264-275	3.3	27
127	A new anisotropic failure criterion for transversely isotropic solids. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1998 , 3, 89-103		22
126	Experimental and theoretical investigation of the high-pressure behavior of concrete. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009 , 33, 1-23	4	21
125	Indentation fracture mechanics toughness dependence on grain size and crack size: Application to alumina and WC-Co. <i>International Journal of Refractory Metals and Hard Materials</i> , 2006 , 24, 129-134	4.1	21
124	Unusual plastic deformation and damage features in titanium: Experimental tests and constitutive modeling. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 88, 100-122	5	20
123	New mathematical results and explicit expressions in terms of the stress components of Barlat et al. (1991) orthotropic yield criterion. <i>International Journal of Solids and Structures</i> , 2019 , 176-177, 86-95	3.1	19

122	Anisotropy and Formability 2007 , 143-173		19
121	Advances in anisotropy of plastic behaviour and formability of sheet metals. <i>International Journal of Material Forming</i> , 2020 , 13, 749-787	2	19
120	On the effect of the matrix tension-compression asymmetry on damage evolution in porous plastic solids. <i>European Journal of Mechanics, A/Solids</i> , 2013 , 37, 35-44	3.7	17
119	New three-dimensional strain-rate potentials for isotropic porous metals: Role of the plastic flow of the matrix. <i>International Journal of Plasticity</i> , 2014 , 60, 101-117	7.6	16
118	New interpretation of monotonic Swift effects: Role of tension-compression asymmetry. <i>Mechanics of Materials</i> , 2013 , 57, 42-52	3.3	16
117	A paraboloid failure surface for transversely isotropic materials. <i>Mechanics of Materials</i> , 1999 , 31, 381-393	3.3	16
116	A New Constitutive Model for Alumina Powder Compaction. <i>KONA Powder and Particle Journal</i> , 1997 , 15, 103-112	3.4	15
115	Dynamic expansion of a spherical cavity within a rate-dependent compressible porous material. <i>International Journal of Plasticity</i> , 2008 , 24, 775-803	7.6	14
114	Compressible rigid viscoplastic fluids. <i>Journal of the Mechanics and Physics of Solids</i> , 2006 , 54, 1640-1667	5	14
113	A micromechanical approach of crack-induced damage in orthotropic media: Application to a brittle matrix composite. <i>Engineering Fracture Mechanics</i> , 2012 , 83, 40-53	4.2	13
112	A model for slow motion of natural slopes. <i>Canadian Geotechnical Journal</i> , 2002 , 39, 924-937	3.2	13
111	A yield criterion for cubic single crystals. <i>International Journal of Solids and Structures</i> , 2018 , 151, 9-19	3.1	12
110	Importance of the coupling between the sign of the mean stress and the third invariant on the rate of void growth and collapse in porous solids with a von Mises matrix. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2014 , 22, 025005	2	12
109	Validation of recent analytical dilatational models for porous polycrystals using crystal plasticity finite element models with Schmid and non-Schmid activation laws. <i>Mechanics of Materials</i> , 2018 , 126, 148-162	3.3	11
108	New analytic criterion for porous solids with pressure-insensitive matrix. <i>International Journal of Plasticity</i> , 2017 , 89, 66-84	7.6	11
107	Plasticity-Damage Couplings: From Single Crystal to Polycrystalline Materials. <i>Solid Mechanics and Its Applications</i> , 2019 ,	0.4	11
106	Effect of the yield stresses in uniaxial tension and pure shear on the size of the plastic zone near a crack. <i>International Journal of Plasticity</i> , 2018 , 102, 101-117	7.6	10
105	Effect of stress triaxiality on porosity evolution in notched bars: Quantitative agreement between a recent dilatational model and X-ray tomography data. <i>Mechanics Research Communications</i> , 2013 , 50, 77-82	2.2	10

104	Yield Surface Plasticity and Anisotropy 2005 , 145-183		10
103	New expressions and calibration strategies for Karafillis and Boyce (1993) yield criterion. <i>International Journal of Solids and Structures</i> , 2020 , 185-186, 410-422	3.1	10
102	The effect of tension-compression asymmetry on the formation of dynamic necking instabilities under plane strain stretching. <i>International Journal of Plasticity</i> , 2020 , 128, 102656	7.6	9
101	Role of the plastic flow of the matrix on yielding and void evolution of porous solids: Comparison between the theoretical response of porous solids with Tresca and von Mises matrices. <i>Mechanics Research Communications</i> , 2014 , 56, 69-75	2.2	9
100	Application of the VPSC Model to the Description of the Stress-Strain Response and Texture Evolution in AZ31 Mg for Various Strain Paths. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2015 , 137,	1.8	9
99	The combined effect of plastic orthotropy and tension-compression asymmetry on the development of necking instabilities in flat tensile specimens subjected to dynamic loading. <i>International Journal of Solids and Structures</i> , 2019 , 159, 272-288	3.1	9
98	Plastic deformation of polycrystalline molybdenum: Experimental data and macroscopic model accounting for its anisotropy and tension-compression asymmetry. <i>International Journal of Solids and Structures</i> , 2015 , 75-76, 287-298	3.1	8
97	New interpretation of cyclic Swift effects. <i>European Journal of Mechanics, A/Solids</i> , 2014 , 44, 82-90	3.7	8
96	Dynamic crystal plasticity: An Eulerian approach. <i>Journal of the Mechanics and Physics of Solids</i> , 2010 , 58, 844-859	5	8
95	On Modeling the Interaction between Initial and Damage-Induced Anisotropy in Transversely Isotropic Solids. <i>Mathematics and Mechanics of Solids</i> , 2007 , 12, 305-318	2.3	8
94	Steady-state flow of compressible rigid-viscoplastic media. <i>International Journal of Engineering Science</i> , 2006 , 44, 1082-1097	5.7	8
93	Effects of plastic anisotropy on localization in orthotropic materials: New explicit expressions for the orientation of localization bands in flat specimens subjected to uniaxial tension. <i>Journal of the Mechanics and Physics of Solids</i> , 2019 , 126, 272-284	5	7
92	Experimental and numerical study of TA-6V mechanical behavior in different monotonic loading conditions at room temperature. <i>Procedia IUTAM</i> , 2012 , 3, 100-114		7
91	Elastic-plastic ductile damage model based on strain-rate plastic potential. <i>Mechanics Research Communications</i> , 2013 , 54, 21-26	2.2	7
90	Importance of the consideration of the specificities of local plastic deformation on the response of porous solids with Tresca matrix. <i>European Journal of Mechanics, A/Solids</i> , 2014 , 47, 194-205	3.7	7
89	Experimental and theoretical investigation of the high-pressure, undrained response of a cohesionless sand. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013 , 37, 2321-2347	4	7
88	Micromechanical study of the dilatational response of porous solids with pressure-insensitive matrix displaying tension-compression asymmetry. <i>European Journal of Mechanics, A/Solids</i> , 2015 , 51, 44-54	3.7	6
87	Numerical modeling of projectile penetration into compressible rigid viscoplastic media. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 74, 1240-1261	2.4	6

86	Description of anisotropic behaviour of AA3103-0 aluminium alloy using two recent yield criteria. <i>European Physical Journal Special Topics</i> , 2003 , 105, 297-304		6
85	Dilational Response of Voided Polycrystals. <i>Jom</i> , 2017 , 69, 942-947	2.1	5
84	Experimental Characterization and Modeling of the Anisotropy and Tension-Compression Asymmetry of Polycrystalline Molybdenum for Strain Rates Ranging from Quasi-static to Impact. <i>Jom</i> , 2015 , 67, 2635-2641	2.1	5
83	Modeling the effect of notch geometry on the deformation of a strongly anisotropic aluminum alloy. <i>European Journal of Mechanics, A/Solids</i> , 2020 , 82, 104004	3.7	5
82	Analytical expressions for the yield stress and Lankford coefficients of polycrystalline sheets based on a new single crystal model. <i>International Journal of Material Forming</i> , 2018 , 11, 571-581	2	5
81	Prediction of plastic anisotropy of textured polycrystalline sheets using a new single-crystal model. <i>Comptes Rendus - Mecanique</i> , 2018 , 346, 756-769	2.1	5
80	Analytical criterion for porous solids containing cylindrical voids in an incompressible matrix exhibiting tension-compression asymmetry. <i>Philosophical Magazine</i> , 2013 , 93, 1520-1548	1.6	5
79	A model for creep of porous crystals with cubic symmetry. <i>International Journal of Solids and Structures</i> , 2017 , 110-111, 67-79	3.1	4
78	An Improved Description of Spherical Void Growth in Plastic Porous Materials with Finite Porosities 2014 , 3, 1232-1237		4
77	Correlation between strength differential effects in the plastic flow of the matrix and the rate of damage growth in porous polycrystals. <i>Comptes Rendus - Mecanique</i> , 2015 , 343, 107-120	2.1	4
76	New three-dimensional plastic potentials for porous solids with a von Mises matrix. <i>Comptes Rendus - Mecanique</i> , 2015 , 343, 77-94	2.1	4
75	Augmented Lagrangian method for Eulerian modeling of viscoplastic crystals. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010 , 199, 689-699	5.7	4
74	Modeling Plastic Anisotropy and Strength Differential Effects in Metallic Materials 71-89		4
73	Applications of a Recently Proposed Anisotropic Yield Function to Sheet Forming 2007 , 131-149		4
72	On the choice of stress-dependent elastic moduli for transversely isotropic solids. <i>Mechanics Research Communications</i> , 1999 , 26, 45-54	2.2	4
71	Strain-rate potential based elastic/plastic anisotropic model for metals displaying tension-compression asymmetry. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011 , 200, 1993-2004	5.7	3
70	Coupled elastic-plastic damage model for a porous aggregate with an incompressible matrix displaying tension-compression asymmetry. <i>Engineering Fracture Mechanics</i> , 2011 , 78, 1407-1423	4.2	3
69	On Using Homogeneous Polynomials To Design Anisotropic Yield Functions With Tension/Compression Symmetry/Assymetry. <i>AIP Conference Proceedings</i> , 2007 ,	0	3

68	Behavior of cementitious materials for high-strain rate conditions. <i>European Physical Journal Special Topics</i> , 2006 , 134, 1119-1124		3
67	Recent Developments in the Formability of Aluminum Alloys. <i>AIP Conference Proceedings</i> , 2005 ,	0	3
66	Prediction of strain distribution and four, six, or eight ears depending on single-crystal orientation using a new single crystal criterion. <i>International Journal of Material Forming</i> , 2019 , 12, 943-954	2	2
65	New polycrystalline modeling as applied to textured steel sheets. <i>Mechanics Research Communications</i> , 2017 , 84, 98-101	2.2	2
64	Experimental Characterization and Constitutive Modeling of TA6V Mechanical Behavior in Plane Strain State at Room Temperature 2011 ,		2
63	Constitutive Equation for Compaction of Ceramic Powders. <i>Solid Mechanics and Its Applications</i> , 1997 , 117-128	0.4	2
62	2008 ,		2
61	Viscoplastic Modeling of Anisotropic Textured Metals 111-127		2
60	Strain-rate effects on the texture evolution of low-symmetry metals: Modeling and validation using the Taylor cylinder impact test. <i>European Physical Journal Special Topics</i> , 2006 , 134, 81-86		2
59	Plastic deformation of high-purity α -titanium: model development and validation using the Taylor cylinder impact test. <i>Journal of Physics: Conference Series</i> , 2016 , 734, 032048	0.3	2
58	Tension-compression asymmetry effects on the plastic response in bending: new theoretical and numerical results. <i>Mechanics Research Communications</i> , 2021 , 114, 103596	2.2	2
57	Room-temperature plastic behavior and formability of a commercially pure titanium: Mechanical characterization, modeling, and validation. <i>International Journal of Solids and Structures</i> , 2021 , 228, 111121	2.1	2
56	On Modeling the Mechanical Behavior and Texture Evolution of Rolled AZ31 Mg for Complex Loadings Involving Strain Path Changes 2016 , 245-250		1
55	New Analytical Criterion for Porous Solids with Tresca Matrix 2014 , 3, 1412-1417		1
54	Characterization of work-hardening evolution in hexagonal metals using mean slip distance normalized with inter-obstacle spacing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 543, 129-138	5.3	1
53	The role of tension-compression asymmetry of the plastic flow on ductility and damage accumulation of porous polycrystals. <i>Ciência & Tecnologia Dos Materiais</i> , 2017 , 29, e234-e238		1
52	On the influence of damage evolution in an incompressible material with matrix displaying tension-compression asymmetry. <i>Procedia IUTAM</i> , 2012 , 3, 331-349		1
51	Experimental and numerical study of TA6V mechanical behavior under different quasi-static strain paths at room temperature 2013 ,		1

50	New Anisotropic Strain-rate Potential for Hexagonal Metals. <i>International Journal of Material Forming</i> , 2010 , 3, 227-230	2	1
49	A new hyperelastic model for transversely isotropic solids. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2002 , 53, 901-911	1.6	1
48	Plastic Deformation of Single Crystals. <i>Solid Mechanics and Its Applications</i> , 2019 , 61-139	0.4	1
47	Yield Criteria for Anisotropic Polycrystals. <i>Solid Mechanics and Its Applications</i> , 2019 , 201-288	0.4	1
46	Anisotropic Plastic Potentials for Porous Metallic Materials. <i>Solid Mechanics and Its Applications</i> , 2019 , 503-581	0.4	1
45	On the effect of the ratio between the yield stresses in shear and in uniaxial tension on forming of isotropic materials. <i>Mechanics Research Communications</i> , 2021 , 114, 103693	2.2	1
44	Prediction of the torsional response of HCP metals. <i>Journal of Physics: Conference Series</i> , 2018 , 1063, 012045	0.3	1
43	Plastic deformation of metallic materials during dynamic events. <i>Journal of Physics: Conference Series</i> , 2018 , 1063, 012054	0.3	1
42	A new anisotropic failure criterion for transversely isotropic solids 1998 , 3, 89		1
41	Dynamic response of polycrystalline high energetic systems: Constitutive modeling and application to impact. <i>Journal of Applied Physics</i> , 2022 , 131, 145101	2.5	1
40	Construction of Yield Criterion for AZ31 Sheet Alloy by Considering Tension-Compression Asymmetry. <i>Transactions of Materials Processing</i> , 2011 , 20, 527-533		0
39	Forming of titanium materials 2021 , 479-537		0
38	Effect of the third invariant on the formation of necking instabilities in ductile plates subjected to plane strain tension. <i>Meccanica</i> , 2021 , 56, 1789-1818	2.1	0
37	New Yield Criterion for Description of Plastic Deformation of Face-Centered Cubic Single Crystals. <i>Minerals, Metals and Materials Series</i> , 2017 , 393-398	0.3	
36	Predictive Capabilities of Non-Quadratic Orthotropic Criteria. <i>Procedia Manufacturing</i> , 2020 , 47, 1548-1554		
35	On Modeling Plasticity-damage Couplings in Polycrystalline Materials 2014 , 3, 1423-1428		
34	Effect of the Third Invariant of the Stress Deviator on the Response of Porous Solids with Pressure-Insensitive Matrix 2017 , 167-196		
33	New analytic criterion for FCC single crystals. <i>Procedia Engineering</i> , 2017 , 207, 2113-2118		

- 32 Prediction of Anisotropy of Textured Sheets Based on a New Polycrystal Model. *Procedia Engineering*, **2017**, 207, 239-244
- 31 Micromechanical Modeling of Evolving Anisotropy in AZ31 Mg for Various Strain Paths **2015**, 171-175
- 30 New Model Predicting the Unusual Buckling Behavior of AZ31 Mg **2015**, 151-157
- 29 Localized Necking in a Round Tensile Bar with HCP Material Considering Tension-Compression Asymmetry in Plastic Flow. *Key Engineering Materials*, **2013**, 535-536, 164-167 0.4
- 28 Analysis of the steady-state flow of a compressible viscoplastic medium over a wedge. *International Journal for Numerical and Analytical Methods in Geomechanics*, **2006**, 30, 489-499 4
- 27 Analysis of Steady-State Penetration in Viscoplastic Porous Materials **2004**, 367
- 26 A New Anisotropic Yield Criterion for Aluminium Alloys. *Key Engineering Materials*, **2002**, 230-232, 537-540 0.4
- 25 Constitutive Model for Description of High-Strain Rate Behavior of Concrete **2006**, 549-550
- 24 Constitutive Equations for Elastic-Plastic Materials. *Solid Mechanics and Its Applications*, **2019**, 37-60 0.4
- 23 Yield Criteria for Isotropic Polycrystals. *Solid Mechanics and Its Applications*, **2019**, 141-200 0.4
- 22 Mathematical Framework. *Solid Mechanics and Its Applications*, **2019**, 1-35 0.4
- 21 Strain-Rate-Based Plastic Potentials for Polycrystalline Materials. *Solid Mechanics and Its Applications*, **2019**, 289-335 0.4
- 20 Plastic Potentials for Isotropic Porous Materials: Influence of the Particularities of Plastic Deformation on Damage Evolution. *Solid Mechanics and Its Applications*, **2019**, 337-502 0.4
- 19 Plastic Deformation of Pure Polycrystalline Molybdenum 143-175
- 18 New Model Predicting the Unusual Buckling Behavior of AZ31 Mg **2015**, 153-157
- 17 On Modeling the Mechanical Behavior and Texture Evolution of Rolled AZ31 Mg for Complex Loadings Involving Strain Path Changes **2016**, 245-250
- 16 A Macroscopic Yield Function Coupled with Crystal Plasticity Theory for Modeling Forming of AZ31 Magnesium Alloy Sheets 427-436
- 15 High-Pressure Behavior of Concrete: Experiments and Elastic/Viscoplastic Modeling 247-266

- 14 Role of the Plastic Flow of the Matrix on Yielding and Void Evolution of Porous Solids 573-580
- 13 Response to the letter to editor. *International Journal of Material Forming*, **2020**, 13, 855-860 2
- 12 Constitutive modeling and simulation at room-temperature deformation and failure of polycrystalline Molybdenum. *Journal of Physics: Conference Series*, **2016**, 734, 032110 0.3
- 11 Constitutive modelling of plastic deformation and damage in anisotropic high-purity titanium and validation using ex-situ and in-situ tomography data. *Journal of Physics: Conference Series*, **2016**, 734, 032052 0.3
- 10 Yield criteria for anisotropic materials **2021**, 115-208
- 9 Yield criteria for isotropic materials **2021**, 37-114
- 8 Experimental characterization and modeling of metallic materials with cubic crystal structure **2021**, 209-263
- 7 Recent Advances on Modeling Plastic Deformation of Textured Metals with Applications to Metal Forming. *Minerals, Metals and Materials Series*, **2021**, 2839-2851 0.3
- 6 Experimental characterization and modeling of metallic materials with hexagonal closed-packed structure **2021**, 265-310
- 5 Anisotropic Yield Criteria. *Journal of Physics: Conference Series*, **2018**, 1063, 012052 0.3
- 4 Prediction of four, six or eight ears in drawn cups of single-crystal aluminum sheets. *Journal of Physics: Conference Series*, **2018**, 1063, 012055 0.3
- 3 Elastic/plastic behavior of metallic materials in torsion and bending **2021**, 311-424
- 2 Forming of materials with cubic crystal structure **2021**, 425-478
- 1 Micromechanical Modelling of Fracture-Induced Anisotropy and Damage in Orthotropic Materials **2006**, 789-790