Ngoc-Trung Nguyen

List of Publications by Year in Descending Order

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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.

25 papers	227 citations	9 h-index	14 g-index
29 ext. papers	266 ext. citations	2.6 avg, IF	2.91 L-index

#	Paper	IF	Citations
25	Ductile fracture prediction and forming assessment of AA6061-T6 aluminum alloy sheets. *International Journal of Fracture*, **2018**, 209, 143-162	2.3	11
24	Failure prediction of AZ31B magnesium alloy sheet based on a micro-mechanical void model incorporating the asymmetric plasticity constitutive law. *International Journal of Plasticity*, **2017**, 94, 98-121	7.6	13
23	Implementation and Application of Dung Model to Analyze Ductile Fracture of Metallic Material. *Lecture Notes in Electrical Engineering*, **2016**, 903-913	0.2	1
22	Application of the Dung Microscopic Damage Model to Predict Ductile Fracture of the Deep Drawn Aluminum Alloy Sheets. *Lecture Notes in Electrical Engineering*, **2016**, 891-901	0.2	
21	Bi-objective optimal design of a damage-tolerant multifunctional battery system. *Materials and Design*, **2016**, 105, 51-65	8.1	16
20	Mechanical Energy Dissipation in a Multifunctional Battery System. *MRS Advances*, **2016**, 1, 381-388	0.7	5
19	Cyclic behavior of AZ31B Mg: Experiments and non-isothermal forming simulations. *International Journal of Plasticity*, **2015**, 75, 39-62	7.6	21
18	Determination of Anisotropic Yield Coefficients by a Data-Driven Multiobjective Evolutionary and Genetic Algorithm. *Materials and Manufacturing Processes*, **2015**, 30, 403-413	4.1	12
17	Springback Reduction in Tailor Welded Blank with High Strength Differential by Using Multi-Objective Evolutionary and Genetic Algorithms. *Steel Research International*, **2015**, 86, 1391-1402	1.6	10
16	A pragmatic approach to accommodate in-plane anisotropy in forming limit diagrams. *Mechanics Research Communications*, **2014**, 62, 5-17	2.2	9
15	Design of high strength differential TWB to enhance drawability: FE study and optimization. *International Journal of Precision Engineering and Manufacturing*, **2014**, 15, 2273-2283	1.7	4
14	Mechanical Behavior of AZ31B Mg Alloy Sheets under Monotonic and Cyclic Loadings at Room and Moderately Elevated Temperatures. *Materials*, **2014**, 7, 1271-1295	3.5	50
13	Multi-Objective Genetic Algorithm to Optimize Variable Drawbead Geometry for Tailor Welded Blanks Made of Dissimilar Steels. *Steel Research International*, **2014**, 85, 1597-1607	1.6	15
12	A practical constitutive model for AZ31B Mg alloy sheets with unusual stress train response. *Finite Elements in Analysis and Design*, **2013**, 76, 39-49	2.2	29
11	Actuation characterization of the lightweight unimorph piezo-composite actuator for different loading cases. *Advanced Composite Materials*, **2013**, 22, 203-212	2.8	1
10	Flutter and Buffeting Control of Long-span Suspension Bridge by Passive Flaps: Experiment and Numerical Simulation. *International Journal of Aeronautical and Space Sciences*, **2013**, 14, 46-57	1.2	9
9	Characterization of composite material properties using eigenstrain method. *Advanced Composite Materials*, **2012**, 21, 299-313	2.8	1

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8	An efficient homogenization method using the trigonometric interpolation and the fast fourier transform. *Vietnam Journal of Mechanics*, **2012**, 33, 215-223	1.8	2
7	Analytical model and optimal design of a d33-mode active layer for the lightweight unimorph piezo-composite actuator. *Journal of Electroceramics*, **2011**, 26, 175-184	1.5	3
6	Design Analysis of a 33 Mode Piezocomposite Actuator. *Advanced Composite Materials*, **2011**, 20, 301-317	1.8	4
5	Application of Failure Criteria in Aluminum Sheet Forming Analysis. *Transactions of Materials Processing*, **2011**, 20, 167-172		2
4	An experimental study to improve the performance of unimorph piezoelectric actuators subjected to external loading **2007**,		1
3	Actuation Displacement of Unimorph Piezoelectric Actuators with External Loading. *Journal of the Korean Physical Society*, **2007**, 51, 11	0.6	4
2	Development of Elevator Control Surface for Small Air Robot Using Piezoceramic Actuator **2006**,		2
1	Analytical model for actuation displacement prediction of unimorph piezoelectric composite actuators **2006**,		1