

# Lo Morin

## 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.

31  
papers

369  
citations

12  
h-index

18  
g-index

32  
ext. papers

451  
ext. citations

3.6  
avg, IF

3.99  
L-index

#	Paper	IF	Citations
31	Modeling and simulation of laser shock waves in elasto-plastic 1D layered specimens. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 239-240, 111422	3.1	1
30	Identification of constitutive equations at very high strain rates using shock wave produced by laser. <i>European Journal of Mechanics, A/Solids</i> , <b>2022</b> , 92, 104432	3.7	4
29	Analysis of shear ductile damage in forming processes using a micromechanical model with void shape effects. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 248, 111640	3.1	
28	Periodic smoothing splines for FFT-based solvers. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 373, 113549	5.7	1
27	An interphase approach of size effects in ductile porous materials. <i>International Journal of Fracture</i> , <b>2021</b> , 230, 71	2.3	1
26	Reconstruction of heterogeneous surface residual-stresses in metallic materials from X-ray diffraction measurements. <i>Mechanics of Materials</i> , <b>2021</b> , 158, 103882	3.3	6
25	Experimental study and micromechanical modelling of the effective elastic properties of Fe <sub>3</sub> TiB <sub>2</sub> composites. <i>Composite Structures</i> , <b>2021</b> , 272, 114122	5.3	1
24	Analysis of a model of field crack mechanics for brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 386, 114061	5.7	0
23	Numerical and experimental study of a 5754-aluminum alloy processed by heterogeneous repetitive corrugation and straightening. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 1941-1947	5.5	10
22	A homogenization-based damage model for stiffness loss in ductile metal-matrix composites. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2020</b> , 137, 103812	5	5
21	Generalized Euclidean Distances for Elasticity Tensors. <i>Journal of Elasticity</i> , <b>2020</b> , 138, 221-232	1.5	8
20	Laser Shock Peening: Toward the Use of Pliable Solid Polymers for Confinement. <i>Metals</i> , <b>2019</b> , 9, 793	2.3	17
19	Numerical simulation of model problems in plasticity based on field dislocation mechanics. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2019</b> , 27, 085012	2	6
18	Classical and sequential limit analysis revisited. <i>Comptes Rendus - Mecanique</i> , <b>2018</b> , 346, 336-349	2.1	10
17	Designing isotropic composites reinforced by aligned transversely isotropic particles of spheroidal shape. <i>Comptes Rendus - Mecanique</i> , <b>2018</b> , 346, 1123-1135	2.1	2
16	Void coalescence in porous ductile solids containing two populations of cavities. <i>European Journal of Mechanics, A/Solids</i> , <b>2018</b> , 72, 341-353	3.7	2
15	A Gurson-type layer model for ductile porous solids with isotropic and kinematic hardening. <i>International Journal of Solids and Structures</i> , <b>2017</b> , 118-119, 167-178	3.1	21

14	Prediction of shear-dominated ductile fracture in a butterfly specimen using a model of plastic porous solids including void shape effects. <i>European Journal of Mechanics, A/Solids</i> , <b>2017</b> , 61, 433-442	3.7	7
13	A damage model for ductile porous materials with a spherically anisotropic matrix. <i>International Journal of Damage Mechanics</i> , <b>2016</b> , 25, 315-335	3	10
12	A unified criterion for the growth and coalescence of microvoids. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2016</b> , 97, 19-36	5	22
11	Application of a model of plastic porous materials including void shape effects to the prediction of ductile failure under shear-dominated loadings. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2016</b> , 94, 148-166	5	30
10	Numerical assessment, implementation and application of an extended Gurson model accounting for void size effects. <i>European Journal of Mechanics, A/Solids</i> , <b>2015</b> , 51, 183-192	3.7	20
9	An approximate yield criterion for porous single crystals. <i>European Journal of Mechanics, A/Solids</i> , <b>2015</b> , 51, 1-10	3.7	42
8	An analytical Lode angle dependent damage model for ductile porous materials. <i>Engineering Fracture Mechanics</i> , <b>2015</b> , 149, 119-133	4.2	13
7	A Gurson-type criterion for plastically anisotropic solids containing arbitrary ellipsoidal voids. <i>International Journal of Solids and Structures</i> , <b>2015</b> , 77, 86-101	3.1	33
6	Coalescence of voids by internal necking: Theoretical estimates and numerical results. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2015</b> , 75, 140-158	5	39
5	A new technique for finite element limit-analysis of Hill materials, with an application to the assessment of criteria for anisotropic plastic porous solids. <i>International Journal of Engineering Science</i> , <b>2014</b> , 74, 65-79	5.7	13
4	Gurson's Criterion and Its Derivation Revisited. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2014</b> , 81,	2.7	13
3	Numerical studies of porous ductile materials containing arbitrary ellipsoidal voids II: Evolution of the length and orientation of the void axes. <i>European Journal of Mechanics, A/Solids</i> , <b>2013</b> , 42, 490-507	3.7	30
2	A reduced single-pattern model for the numerical simulation of multi-pattern metal forming. <i>International Journal of Material Forming</i> , 1	2	2
1	A Deconvolution Method for the Mapping of Residual Stresses by X-Ray Diffraction. <i>Experimental Mechanics</i> , 1	2.6	