

Dorothee Knees

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

537
citations

623734

14
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642732

23
g-index

30
all docs

30
docs citations

30
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	A penalized version of the local minimization scheme for rate-independent systems. Applied Mathematics Letters, 2021, 115, 106954.	2.7	2
2	Existence of parameterized BV-solutions for rate-independent systems with discontinuous loads. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 121-149.	1.1	0
3	Balanced viscosity solutions to a rate-independent system for damage. European Journal of Applied Mathematics, 2019, 30, 117-175.	2.9	10
4	Convergence analysis of time-discretisation schemes for rate-independent systems. ESAIM - Control, Optimisation and Calculus of Variations, 2019, 25, 65.	1.3	11
5	A phase-field damage model based on evolving microstructure. Asymptotic Analysis, 2017, 101, 149-180.	0.5	9
6	Convergence of alternate minimization schemes for phase-field fracture and damage. Mathematical Models and Methods in Applied Sciences, 2017, 27, 1743-1794.	3.3	29
7	Elliptic and parabolic regularity for second-order divergence operators with mixed boundary conditions. Mathematical Methods in the Applied Sciences, 2016, 39, 5007-5026.	2.3	23
8	Homogenization of elliptic systems with non-periodic, state-dependent coefficients. Asymptotic Analysis, 2015, 92, 203-234.	0.5	2
9	A quasilinear differential inclusion for viscous and rate-independent damage systems in non-smooth domains. Nonlinear Analysis: Real World Applications, 2015, 24, 126-162.	1.7	24
10	A VANISHING VISCOSITY APPROACH TO A RATE-INDEPENDENT DAMAGE MODEL. Mathematical Models and Methods in Applied Sciences, 2013, 23, 565-616.	3.3	84
11	Global higher integrability of minimizers of variational problems with mixed boundary conditions. Journal of Mathematical Analysis and Applications, 2013, 401, 269-288.	1.0	5
12	Computational aspects of quasi-static crack propagation. Discrete and Continuous Dynamical Systems - Series S, 2013, 6, 63-99.	1.1	11
13	Global spatial regularity for elasticity models with cracks, contact and other nonsmooth constraints. Mathematical Methods in the Applied Sciences, 2012, 35, 1859-1884.	2.3	32
14	Young-Measure Quasi-Static Damage Evolution. Archive for Rational Mechanics and Analysis, 2012, 203, 415-453.	2.4	15
15	Global spatial regularity for a regularized elasto-plastic model. GAMM Mitteilungen, 2011, 34, 21-27.	5.5	1
16	Crack growth in polyconvex materials. Physica D: Nonlinear Phenomena, 2010, 239, 1470-1484.	2.8	41
17	ON GLOBAL SPATIAL REGULARITY AND CONVERGENCE RATES FOR TIME-DEPENDENT ELASTO-PLASTICITY. Mathematical Models and Methods in Applied Sciences, 2010, 20, 1823-1858.	3.3	12
18	On global spatial regularity in elasto-plasticity with linear hardening. Calculus of Variations and Partial Differential Equations, 2009, 36, 611-625.	1.7	6

#	ARTICLE	IF	CITATIONS
19	Global stress regularity of convex and some nonconvex variational problems. <i>Annali Di Matematica Pura Ed Applicata</i> , 2008, 187, 157-184.	1.0	16
20	On rate independent models for crack propagation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2008, 8, 10213-10214.	0.2	0
21	Energy release rate for cracks in finite-strain elasticity. <i>Mathematical Methods in the Applied Sciences</i> , 2008, 31, 501-528.	2.3	33
22	Regularity up to the Boundary for Nonlinear Elliptic Systems Arising in Time-Incremental Infinitesimal Elasto-plasticity. <i>SIAM Journal on Mathematical Analysis</i> , 2008, 40, 21-43.	1.9	27
23	On the Energy Release Rate in Finite-Strain Elasticity. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 421-427.	2.6	0
24	ON THE INVISCID LIMIT OF A MODEL FOR CRACK PROPAGATION. <i>Mathematical Models and Methods in Applied Sciences</i> , 2008, 18, 1529-1569.	3.3	94
25	Global regularity of the elastic fields of a power-law model on Lipschitz domains. <i>Mathematical Methods in the Applied Sciences</i> , 2006, 29, 1363-1391.	2.3	16
26	GRIFFITH-FORMULA AND J-INTEGRAL FOR A CRACK IN A POWER-LAW HARDENING MATERIAL. <i>Mathematical Models and Methods in Applied Sciences</i> , 2006, 16, 1723-1749.	3.3	14
27	Regularity of Elastic Fields in Composites. , 2006, , 331-360.		5
28	On the Regularity of Weak Solutions of Quasi-Linear Elliptic Transmission Problems on Polyhedral Domains. <i>Zeitschrift Fur Analysis Und Ihre Anwendung</i> , 2004, 23, 509-546.	0.6	15