

Dorothee Knees

List of Publications by Year in descending order

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28
papers

537
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623734

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177
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | A VANISHING VISCOSITY APPROACH TO A RATE-INDEPENDENT DAMAGE MODEL. <i>Mathematical Models and Methods in Applied Sciences</i> , 2013, 23, 565-616. | 3.3 | 84 |
| 3 | Crack growth in polyconvex materials. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 1470-1484. | 2.8 | 41 |
| 4 | Energy release rate for cracks in finite-strain elasticity. <i>Mathematical Methods in the Applied Sciences</i> , 2008, 31, 501-528. | 2.3 | 33 |
| 5 | Global spatial regularity for elasticity models with cracks, contact and other nonsmooth constraints. <i>Mathematical Methods in the Applied Sciences</i> , 2012, 35, 1859-1884. | 2.3 | 32 |
| 6 | Convergence of alternate minimization schemes for phase-field fracture and damage. <i>Mathematical Models and Methods in Applied Sciences</i> , 2017, 27, 1743-1794. | 3.3 | 29 |
| 7 | 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 |
| 8 | A quasilinear differential inclusion for viscous and rate-independent damage systems in non-smooth domains. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 24, 126-162. | 1.7 | 24 |
| 9 | Elliptic and parabolic regularity for second-order divergence operators with mixed boundary conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 5007-5026. | 2.3 | 23 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Young-Measure Quasi-Static Damage Evolution. <i>Archive for Rational Mechanics and Analysis</i> , 2012, 203, 415-453. | 2.4 | 15 |
| 14 | 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 |
| 15 | ON GLOBAL SPATIAL REGULARITY AND CONVERGENCE RATES FOR TIME-DEPENDENT ELASTO-PLASTICITY. <i>Mathematical Models and Methods in Applied Sciences</i> , 2010, 20, 1823-1858. | 3.3 | 12 |
| 16 | Convergence analysis of time-discretisation schemes for rate-independent systems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2019, 25, 65. | 1.3 | 11 |
| 17 | Computational aspects of quasi-static crack propagation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2013, 6, 63-99. | 1.1 | 11 |
| 18 | Balanced viscosity solutions to a rate-independent system for damage. <i>European Journal of Applied Mathematics</i> , 2019, 30, 117-175. | 2.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A phase-field damage model based on evolving microstructure. <i>Asymptotic Analysis</i> , 2017, 101, 149-180. | 0.5 | 9 |
| 20 | On global spatial regularity in elasto-plasticity with linear hardening. <i>Calculus of Variations and Partial Differential Equations</i> , 2009, 36, 611-625. | 1.7 | 6 |
| 21 | Global higher integrability of minimizers of variational problems with mixed boundary conditions. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 401, 269-288. | 1.0 | 5 |
| 22 | Regularity of Elastic Fields in Composites. , 2006, , 331-360. | | 5 |
| 23 | Homogenization of elliptic systems with non-periodic, state-dependent coefficients. <i>Asymptotic Analysis</i> , 2015, 92, 203-234. | 0.5 | 2 |
| 24 | A penalized version of the local minimization scheme for rate-independent systems. <i>Applied Mathematics Letters</i> , 2021, 115, 106954. | 2.7 | 2 |
| 25 | Global spatial regularity for a regularized elasto-elastic model. <i>GAMM Mitteilungen</i> , 2011, 34, 21-27. | 5.5 | 1 |
| 26 | On rate independent models for crack propagation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2008, 8, 10213-10214. | 0.2 | 0 |
| 27 | On the Energy Release Rate in Finite-Strain Elasticity. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 421-427. | 2.6 | 0 |
| 28 | Existence of parameterized BV-solutions for rate-independent systems with discontinuous loads. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 121-149. | 1.1 | 0 |