# Matteo Ciccotti

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8477543/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 57 papers | 2,241 citations | 236925 25 h-index | 214800 47 g-index |
| 62 all docs | 62 docs citations | 62 times ranked | 2151 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bridging steady-state and stick-slip fracture propagation in glassy polymers. Soft Matter, 2022, 18, 793-806. | 2.7 | 2 |
| 2 | Strain induced strengthening of soft thermoplastic polyurethanes under cyclic deformation. Journal of Polymer Science, 2021, 59, 685-696. | 3.8 | 15 |
| 3 | Cyclic fatigue failure of TPU using a crack propagation approach. Polymer Testing, 2021, 97, 107140. | 4.8 | 23 |
| 4 | Self-Organization at the Crack Tip of Fatigue-Resistant Thermoplastic Polyurethane Elastomers. Macromolecules, 2021, 54, 8726-8737. | 4.8 | 15 |
| 5 | Why is mechanical fatigue different from toughness in elastomers? The role of damage by polymer chain scission. Science Advances, 2021, 7, eabg9410. | 10.3 | 26 |
| 6 | Adhesion rupture in laminated glass: influence of adhesion on the energy dissipation mechanisms. Glass Structures and Engineering, 2020, 5, 397-410. | 1.7 | 10 |
| 7 | Linking peel and tack performances of pressure sensitive adhesives. Soft Matter, 2020, 16, 3267-3275. | 2.7 | 26 |
| 8 | In Situ AFM Investigations and Fracture Mechanics Modeling of Slow Fracture Propagation in Oxide and Polymer Glasses. , 2020, , 199-236. | | 1 |
| 9 | Mechanics of zero degree peel test on a tape â€”Âeffects of large deformation, material nonlinearity, and finite bond length. Extreme Mechanics Letters, 2019, 32, 100518. | 4.1 | 16 |
| 10 | Supramolecular Structure for Large Strain Dissipation and Outstanding Impact Resistance in Polyvinylbutyral. Macromolecules, 2019, 52, 7821-7830. | 4.8 | 18 |
| 11 | Roughness of oxide glass subcritical fracture surfaces. Journal of the American Ceramic Society, 2018, 101, 1279-1288. | 3.8 | 6 |
| 12 | In situ AFM investigation of slow crack propagation mechanisms in a glassy polymer. Journal of the Mechanics and Physics of Solids, 2018, 112, 109-125. | 4.8 | 14 |
| 13 | Mechanics of an adhesive tape in a zero degree peel test: effect of large deformation and material nonlinearity. Soft Matter, 2018, 14, 9681-9692. | 2.7 | 21 |
| 14 | In Situ AFM Investigations and Fracture Mechanics Modeling of Slow Fracture Propagation in Oxide and Polymer Glasses. , 2018, , 1-37. | | 1 |
| 15 | Nonlinear Viscoelastic Modeling of Adhesive Failure for Polyacrylate Pressure-Sensitive Adhesives. Macromolecules, 2018, 51, 8605-8610. | 4.8 | 36 |
| 16 | Large strain viscoelastic dissipation during interfacial rupture in laminated glass. Soft Matter, 2017, 13, 1624-1633. | 2.7 | 21 |
| 17 | In-situ measurement of the large strain response of the fibrillar debonding region during the steady peeling of pressure sensitive adhesives. International Journal of Fracture, 2017, 204, 175-190. | 2.2 | 32 |
| 18 | Anisotropic Superattenuation of Capillary Waves on Driven Glass Interfaces. Physical Review Letters, 2017, 119, 235501. | 7.8 | 10 |

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|---|---|---|---|
| 19 | Inertial and stick-slip regimes of unstable adhesive tape peeling. Soft Matter, 2016, 12, 4537-4548. | 2.7 | 9 |
| 20 | Fracture and adhesion of soft materials: a review. Reports on Progress in Physics, 2016, 79, 046601. | 20.1 | 539 |
| 21 | Roughness measurements inside hollow glass fibers. , 2016, , . | | 0 |
| 22 | Multiscale Stick-Slip Dynamics of Adhesive Tape Peeling. Physical Review Letters, 2015, 115, 128301. | 7.8 | 17 |
| 23 | Rate-dependent elastic hysteresis during the peeling of pressure sensitive adhesives. Soft Matter, 2015, 11, 3480-3491. | 2.7 | 73 |
| 24 | Multiscale investigation of stress-corrosion crack propagation mechanisms in oxide glasses. Corrosion Reviews, 2015, 33, 501-514. | 2.0 | 7 |
| 25 | Picometer-scale surface roughness measurements inside hollow glass fibres. Optics Express, 2014, 22, 29554. | 3.4 | 11 |
| 26 | Design principles for superamphiphobic surfaces. Soft Matter, 2013, 9, 418-428. | 2.7 | 196 |
| 27 | Intermittent stick-slip dynamics during the peeling of an adhesive tape from a roller. Physical Review E, 2013, 87, 022601. | 2.1 | 20 |
| 28 | Crack propagation at the interface between soft adhesives and model surfaces studied with a sticky wedge test. Soft Matter, 2013, 9, 6515. | 2.7 | 16 |
| 29 | Griffith Cracks at the Nanoscale. International Journal of Applied Glass Science, 2013, 4, 76-86. | 2.0 | 38 |
| 30 | Capillary Force between Wetted Nanometric Contacts and Its Application to Atomic Force Microscopy. Langmuir, 2011, 27, 3468-3473. | 3.5 | 36 |
| 31 | Quantitative Analysis of Crack Closure Driven by Laplace Pressure in Silica Glass. Journal of the American Ceramic Society, 2011, 94, 2613-2618. | 3.8 | 20 |
| 32 | Propagation of a brittle fracture in a viscoelastic fluid. Soft Matter, 2011, 7, 9474. | 2.7 | 36 |
| 33 | Effects of Finite Probe Size on Self-Affine Roughness Measurements. Physical Review Letters, 2010, 104, 025502. | 7.8 | 41 |
| 34 | Measuring nanoscale stress intensity factors with an atomic force microscope. Europhysics Letters, 2010, 89, 66003. | 2.0 | 50 |
| 35 | Ultra-long range correlations of the dynamics of jammed soft matter. Soft Matter, 2010, 6, 5514. | 2.7 | 34 |
| 36 | Crack opening profile in DCDC specimen. International Journal of Fracture, 2009, 156, 11-20. | 2.2 | 34 |

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|---|---|---|---|
| 37 | Stress-corrosion mechanisms in silicate glasses. Journal Physics D: Applied Physics, 2009, 42, 214006. | 2.8 | 159 |
| 38 | Dynamic condensation of water at crack tips in fused silica glass. Journal of Non-Crystalline Solids, 2008, 354, 564-568. | 3.1 | 32 |
| 39 | Hidden order in crackling noise during peeling of an adhesive tape. Physical Review E, 2008, 77, 045202. | 2.1 | 12 |
| 40 | The Crack Tip: A Nanolab for Studying Confined Liquids. Physical Review Letters, 2008, 100, 165505. | 7.8 | 29 |
| 41 | Stress-enhanced ion diffusion at the vicinity of a crack tip as evidenced by atomic force microscopy in silicate glasses. Journal of Non-Crystalline Solids, 2007, 353, 51-68. | 3.1 | 43 |
| 42 | Imaging the stickâ€“slip peeling of an adhesive tape under a constant load. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P03005-P03005. | 2.3 | 20 |
| 43 | Real-Time Observation of a Non-Equilibrium Liquid Condensate Confined at Tensile Crack Tips in Oxide Glasses. Journal of the American Ceramic Society, 2006, 89, 746-749. | 3.8 | 33 |
| 44 | Thermal Noise Properties of Two Aging Materials. , 2006, , 23-52. | | 0 |
| 45 | Differences between static and dynamic elastic moduli of a typical seismogenic rock. Geophysical Journal International, 2004, 157, 474-477. | 2.4 | 109 |
| 46 | Earthquakes as three stage processes. Geophysical Journal International, 2004, 158, 98-108. | 2.4 | 14 |
| 47 | Static and Dynamic Moduli of the Seismogenic Layer in Italy. Rock Mechanics and Rock Engineering, 2004, 37, 229. | 5.4 | 21 |
| 48 | Complex dynamics in the peeling of an adhesive tape. International Journal of Adhesion and Adhesives, 2004, 24, 143-151. | 2.9 | 43 |
| 49 | Electrical noise properties in aging materials. , 2004, , . | | 6 |
| 50 | Pernicious effect of physical cutoffs in fractal analysis. Physical Review E, 2002, 65, 037201. | 2.1 | 17 |
| 51 | Practical application of an improved methodology for the double torsion load relaxation method. International Journal of Rock Mechanics and Minings Sciences, 2001, 38, 569-576. | 5.8 | 28 |
| 52 | Measuring the fractal dimensions of ideal and actual objects: implications for application in geology and geophysics. Geophysical Journal International, 2000, 142, 108-116. | 2.4 | 36 |
| 53 | The double torsion loading configuration for fracture propagation: an improved methodology for the load-relaxation at constant displacement. International Journal of Rock Mechanics and Minings Sciences, 2000, 37, 1103-1113. | 5.8 | 42 |
| 54 | Elastic and fracture parameters of Etna, Stromboli, and Vulcano lava rocks. Journal of Volcanology and Geothermal Research, 2000, 98, 209-217. | 2.1 | 23 |

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|---|---|---|---|
| 55 | Realistic Finiteâ€Element Model for the Doubleâ€Torsion Loading Configuration. Journal of the American Ceramic Society, 2000, 83, 2737-2744. | 3.8 | 30 |
| 56 | Stick-slip in the peeling of an adhesive tape: evolution of theoretical model. International Journal of Adhesion and Adhesives, 1998, 18, 35-40. | 2.9 | 26 |
| 57 | On the kinetics of peeling of an adhesive tape under a constant imposed load. International Journal of Adhesion and Adhesives, 1997, 17, 65-68. | 2.9 | 46 |