

# Tetsu Uesaka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11618270/publications.pdf>

Version: 2024-02-01

19  
papers

495  
citations

1040056

9  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct simulations of fiber network deformation and failure. <i>Mechanics of Materials</i> , 2012, 51, 1-14.	3.2	148
2	Simulation of the motion of flexible fibers in viscous fluid flow. <i>Physics of Fluids</i> , 2007, 19, .	4.0	121
3	Simulation of semidilute suspensions of non-Brownian fibers in shear flow. <i>Journal of Chemical Physics</i> , 2008, 128, 024901.	3.0	44
4	3D-oriented fiber networks made by foam forming. <i>Cellulose</i> , 2016, 23, 661-671.	4.9	40
5	Particle-level simulation of forming of the fiber network in papermaking. <i>International Journal of Engineering Science</i> , 2008, 46, 858-876.	5.0	27
6	Structural disorder effects on the tensile strength distribution of heterogeneous brittle materials with emphasis on fiber networks. <i>Physical Review B</i> , 2004, 70, .	3.2	24
7	Scaling behaviour of strength of 3D-, semi-flexible-, cross-linked fibre network. <i>International Journal of Solids and Structures</i> , 2019, 166, 68-74.	2.7	16
8	New Insights into Coating Uniformity and Base Sheet Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 10472-10478.	3.7	11
9	Uniaxial compression of three-dimensional entangled fibre networks: impacts of contact interactions. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2019, 27, 015006.	2.0	10
10	Time-dependent statistical failure of fiber networks. <i>Physical Review E</i> , 2015, 92, 042158.	2.1	9
11	Time-dependent breakdown of fiber networks: Uncertainty of lifetime. <i>Physical Review E</i> , 2017, 95, 053005.	2.1	9
12	Microstructure Variations in Paper Coating: Direct Observations. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 8246-8252.	3.7	7
13	Characterisation of time-dependent, statistical failure of cellulose fibre networks. <i>Cellulose</i> , 2018, 25, 2817-2828.	4.9	7
14	Tearing Resistance of Paper and its Characterization. <i>Kami Pa Gikyoshi/Japan Tappi Journal</i> , 1979, 33, 403-408.	0.1	7
15	Time-dependent, stochastic failure of paper and box. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 370-374.	0.7	5
16	Anisotropic Linear Viscoelasticity of Paper Sheet. <i>Nihon Reoroji Gakkaishi</i> , 1979, 7, 64-68.	1.0	3
17	New strength metrics for containerboards: influences of basic papermaking factors. <i>Nordic Pulp and Paper Research Journal</i> , 2018, 33, 592-602.	0.7	1
18	Complex Matters: Things that matter. <i>Nordic Pulp and Paper Research Journal</i> , 2016, 31, 213-218.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Time-dependent statistical failure of fibre networks: Distributions, size scaling, and effects of disorders. , 2022, , 221-240.		0