

Jian H Yu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

400
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming the structural versus energy dissipation trade-off in highly crosslinked polymer networks: Ultrahigh strain rate response in polydicyclopentadiene. Composites Science and Technology, 2015, 114, 17-25.	7.8	63
2	Influence of molecular weight between crosslinks on the mechanical properties of polymers formed via ring-opening metathesis. Soft Matter, 2018, 14, 3344-3360.	2.7	60
3	Glass transition dependence of ultrahigh strain rate response in amine cured epoxy resins. Polymer, 2012, 53, 5917-5923.	3.8	50
4	Failure processes governing high-rate impact resistance of epoxy resins filled with core-shell rubber nanoparticles. Journal of Materials Science, 2016, 51, 2347-2370.	3.7	45
5	Relating structure and chain dynamics to ballistic performance in transparent epoxy networks exhibiting nanometer scale heterogeneity. Polymer, 2015, 58, 96-106.	3.8	30
6	Solution-shearing of dielectric polymer with high thermal conductivity and electric insulation. Science Advances, 2021, 7, eabi7410.	10.3	24
7	Influence of nano-scale morphology on impact toughness of epoxy blends. Polymer, 2016, 103, 337-346.	3.8	22
8	Dynamic heterogeneity in epoxy networks for protection applications. Journal of Applied Polymer Science, 2016, 133, .	2.6	20
9	Fully coupled thermal-electric-sintering simulation of electric field assisted sintering of net-shape compacts. Journal of Materials Science, 2015, 50, 519-530.	3.7	16
10	The temperature-dependent ballistic performance and the ductile-to-brittle transition in polymer networks. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 511-523.	2.1	15
11	Obfuscation of Embedded Codes in Additive Manufactured Components for Product Authentication. Advanced Engineering Materials, 2019, 21, 1900146.	3.5	11
12	Enhanced Sintering Kinetics in Aluminum Alloy Powder Consolidated Using DC Electric Fields. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 919-929.	2.2	10
13	Sintering aluminum alloy powder using direct current electric fields at room temperature in seconds. Journal of Materials Science, 2018, 53, 9297-9304.	3.7	10
14	Embedded product authentication codes in additive manufactured parts: Imaging and image processing for improved scan ability. Additive Manufacturing, 2020, 35, 101319.	3.0	9
15	Densification behavior of flash sintered boron suboxide. Journal of the American Ceramic Society, 2018, 101, 4976-4982.	3.8	6
16	Ballistic Response of Polydicyclopentadiene vs. Epoxy Resins and Effects of Crosslinking. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 285-290.	0.5	5
17	Printed Structural Temperature Monitoring Embedded in Multi-Process Hybrid Additive Manufacturing. Journal of Materials Engineering and Performance, 2021, 30, 5093-5099.	2.5	4
18	Failure Processes Governing High Rate Impact Resistance of Epoxy Resins Filled with Core Shell Rubber Nanoparticles. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 271-283.	0.5	0