

Jian H Yu

List of Publications by Year in descending order

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