

Clemens Kunz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

904
citations

623734

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713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	The time-dependency of the healing behavior of laser-scratched polymer films. <i>Polymer Testing</i> , 2021, 100, 107264.	4.8	1
2	Tribological performance of metal-reinforced ceramic composites selectively structured with femtosecond laser-induced periodic surface structures. <i>Applied Surface Science</i> , 2020, 499, 143917.	6.1	34
3	Laser-induced Leidenfrost surfaces. <i>Applied Surface Science</i> , 2020, 532, 147407.	6.1	6
4	Large-Area Fabrication of Laser-Induced Periodic Surface Structures on Fused Silica Using Thin Gold Layers. <i>Nanomaterials</i> , 2020, 10, 1187.	4.1	23
5	A novel approach for the quantification of scratch healing of polymers. <i>Polymer Testing</i> , 2020, 90, 106699.	4.8	9
6	Wettability Analysis of Water on Metal/Semiconductor Phases Selectively Structured with Femtosecond Laser-Induced Periodic Surface Structures. <i>Langmuir</i> , 2019, 35, 14990-14998.	3.5	9
7	Femtosecond laser-induced scratch ablation as an efficient new method to evaluate the self-healing behavior of supramolecular polymers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2148-2155.	10.3	7
8	Tailored focal beam shaping and its application in laser material processing. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	26
9	Mechano-responsive colour change of laser-induced periodic surface structures. <i>Applied Surface Science</i> , 2019, 471, 645-651.	6.1	34
10	Human Milk Oligosaccharides as Promising Antivirals. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700679.	3.3	92
11	Large-area fabrication of low- and high-spatial-frequency laser-induced periodic surface structures on carbon fibers. <i>Carbon</i> , 2018, 133, 176-185.	10.3	26
12	Selective generation of laser-induced periodic surface structures on Al ₂ O ₃ -ZrO ₂ -Nb composites. <i>Applied Surface Science</i> , 2018, 434, 582-587.	6.1	17
13	Femtosecond Laser-Induced Periodic Surface Structures on Fused Silica: The Impact of the Initial Substrate Temperature. <i>Materials</i> , 2018, 11, 1340.	2.9	40
14	Multifunctional Hierarchical Surface Structures by Femtosecond Laser Processing. <i>Materials</i> , 2018, 11, 789.	2.9	28
15	Avidity of α -fucose on human milk oligosaccharides and blood group α -unrelated oligo/polyfucoses is essential for potent norovirus-binding targets. <i>Journal of Biological Chemistry</i> , 2018, 293, 11955-11965.	3.4	40
16	Influence of Gestational Age, Secretor, and Lewis Blood Group Status on the Oligosaccharide Content of Human Milk. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 789-798.	1.8	173
17	Formation and Properties of Laser-Induced Periodic Surface Structures on Different Glasses. <i>Materials</i> , 2017, 10, 933.	2.9	53
18	From Bifidus Factor to Human Milk Oligosaccharides. , 2017, , 3-16.		3

#	ARTICLE	IF	CITATIONS
19	Temperature-dependent Evolution and Properties of Laserinduced Periodic Surface Structures on Fused Silica. , 2017, , .		0
20	Bio-Inspired Functional Surfaces Based on Laser-Induced Periodic Surface Structures. Materials, 2016, 9, 476.	2.9	178
21	Femtosecond laser-induced surface structures on carbon fibers. Optics Letters, 2015, 40, 5734.	3.3	13
22	Pulsed laser deposition of anatase thin films on textile substrates. Applied Surface Science, 2015, 353, 1046-1051.	6.1	9
23	High-pH anion-exchange chromatography with pulsed amperometric detection and molar response factors of human milk oligosaccharides. Biomedical Applications, 1996, 685, 211-221.	1.7	83