Clemens Kunz

List of Publications by Year
in descending order

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23 papers	904 citations	623734 14 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	1058 citing authors

#	Article	IF	Citations
1	Bio-Inspired Functional Surfaces Based on Laser-Induced Periodic Surface Structures. Materials, 2016, 9, 476.	2.9	178
2	Influence of Gestational Age, Secretor, and Lewis Blood Group Status on the Oligosaccharide Content of Human Milk. Journal of Pediatric Gastroenterology and Nutrition, 2017, 64, 789-798.	1.8	173
3	Human Milk Oligosaccharides as Promising Antivirals. Molecular Nutrition and Food Research, 2018, 62, e1700679.	3.3	92
4	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
5	Formation and Properties of Laser-Induced Periodic Surface Structures on Different Glasses. Materials, 2017, 10, 933.	2.9	53
6	Femtosecond Laser-Induced Periodic Surface Structures on Fused Silica: The Impact of the Initial Substrate Temperature. Materials, 2018, 11, 1340.	2.9	40
7	Avidity of Î±-fucose on human milk oligosaccharides and blood groupâ€“unrelated oligo/polyfucoses is essential for potent norovirus-binding targets. Journal of Biological Chemistry, 2018, 293, 11955-11965.	3.4	40
8	Mechano-responsive colour change of laser-induced periodic surface structures. Applied Surface Science, 2019, 471, 645-651.	6.1	34
9	Tribological performance of metal-reinforced ceramic composites selectively structured with femtosecond laser-induced periodic surface structures. Applied Surface Science, 2020, 499, 143917.	6.1	34
10	Multifunctional Hierarchical Surface Structures by Femtosecond Laser Processing. Materials, 2018, 11, 789.	2.9	28
11	Large-area fabrication of low- and high-spatial-frequency laser-induced periodic surface structures on carbon fibers. Carbon, 2018, 133, 176-185.	10.3	26
12	Tailored focal beam shaping and its application in laser material processing. Journal of Laser Applications, 2019, 31, .	1.7	26
13	Large-Area Fabrication of Laser-Induced Periodic Surface Structures on Fused Silica Using Thin Gold Layers. Nanomaterials, 2020, 10, 1187.	4.1	23
14	Selective generation of laser-induced periodic surface structures on Al2O3-ZrO2-Nb composites. Applied Surface Science, 2018, 434, 582-587.	6.1	17
15	Femtosecond laser-induced surface structures on carbon fibers. Optics Letters, 2015, 40, 5734.	3.3	13
16	Pulsed laser deposition of anatase thin films on textile substrates. Applied Surface Science, 2015, 353, 1046-1051.	6.1	9
17	Wettability Analysis of Water on Metal/Semiconductor Phases Selectively Structured with Femtosecond Laser-Induced Periodic Surface Structures. Langmuir, 2019, 35, 14990-14998.	3.5	9
18	A novel approach for the quantification of scratch healing of polymers. Polymer Testing, 2020, 90, 106699.	4.8	9

#	Article	IF	Citations
19	Femtosecond laser-induced scratch ablation as an efficient new method to evaluate the self-healing behavior of supramolecular polymers. Journal of Materials Chemistry A, 2019, 7, 2148-2155.	10.3	7
20	Laser-induced Leidenfrost surfaces. Applied Surface Science, 2020, 532, 147407.	6.1	6
21	From Bifidus Factor to Human Milk Oligosaccharides. , 2017, , 3-16.		3
22	The time-dependency of the healing behavior of laser-scratched polymer films. Polymer Testing, 2021, 100, 107264.	4.8	1
23	Temperature-dependent Evolution and Properties of Laserinduced Periodic Surface Structures on Fused Silica. , 2017, , .		0