

# Simon Schwarz

## List of Publications by Year in descending order

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18  
papers

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citations

933447

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h-index

996975

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g-index

19  
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19  
docs citations

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times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Periodic Non-Uniformities of Well-Structured Sapphire Surface by LIPSS on the Alignment of Nematic Liquid Crystal. <i>Nanomaterials</i> , 2022, 12, 508.	4.1	2
2	Compact Beam Homogenizer Module with Laser-Fabricated Lens-Arrays. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1018.	2.5	4
3	Enhanced ablation efficiency using GHz bursts in micromachining fused silica. <i>Optics Letters</i> , 2021, 46, 282.	3.3	29
4	Ultrashort pulsed laser backside ablation of fused silica. <i>Optics Express</i> , 2021, 29, 23477.	3.4	7
5	Rapid fabrication of precise glass axicon arrays by an all laser-based manufacturing technology. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	13
6	Influence of laser wavelength on the modification of friction between 100Cr6 steel and polytetrafluoroethylene by femtosecond laser-induced periodic surface structures. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	3
7	Laser-fabricated axicons for glass dicing applications. <i>Procedia CIRP</i> , 2020, 94, 957-961.	1.9	1
8	All laser-based fabrication of optical elements. , 2020, , .		1
9	Laser-fabricated axicons challenging the conventional optics in glass processing applications. <i>Optics Express</i> , 2020, 28, 5715.	3.4	23
10	Fabrication and evaluation of negative axicons for ultrashort pulsed laser applications. <i>Optics Express</i> , 2020, 28, 26207.	3.4	17
11	Manufacturing of optical elements by non-contact laser processing. , 2020, , .		0
12	Possibilities of Dry and Lubricated Friction Modification Enabled by Different Ultrashort Laser-Based Surface Structuring Methods. <i>Lubricants</i> , 2019, 7, 43.	2.9	18
13	Surface Plasmon Polariton Triggered Generation of 1D-Low Spatial Frequency LIPSS on Fused Silica. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1624.	2.5	11
14	Fabrication of a high-quality axicon by femtosecond laser ablation and CO <sub>2</sub> laser polishing for quasi-Bessel beam generation. <i>Optics Express</i> , 2018, 26, 23287.	3.4	33
15	Time Dependence of Wetting Behavior Upon Applying Hierarchic Nano-Micro Periodic Surface Structures on Brass Using Ultra Short Laser Pulses. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 700.	2.5	21
16	One-dimensional low spatial frequency LIPSS with rotating orientation on fused silica. <i>Applied Surface Science</i> , 2017, 411, 113-116.	6.1	15
17	Fabrication of Cylindrical Lenses by Combining Ultrashort Pulsed Laser and CO <sub>2</sub> Laser. <i>Journal of Laser Micro Nanoengineering</i> , 2017, 12, 76-79.	0.1	16
18	Generation of laser-induced periodic surface structures on transparent material-fused silica. <i>Applied Physics Letters</i> , 2016, 108, 181607.	3.3	20