

# Max Shatalov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10951952/publications.pdf>

Version: 2024-02-01

10  
papers

729  
citations

1478280

6  
h-index

1474057

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

816  
citing authors

#	ARTICLE	IF	CITATIONS
1	AlGa <sub>N</sub> Deep-Ultraviolet Light-Emitting Diodes with External Quantum Efficiency above 10%. Applied Physics Express, 2012, 5, 082101.	1.1	406
2	Microbial UV fluence-response assessment using a novel UV-LED collimated beam system. Water Research, 2011, 45, 2011-2019.	5.3	149
3	Efficiency of light emission in high aluminum content AlGa <sub>N</sub> quantum wells. Journal of Applied Physics, 2009, 105, .	1.1	71
4	Modeling a continuous flow ultraviolet Light Emitting Diode reactor using computational fluid dynamics. Chemical Engineering Science, 2014, 116, 524-535.	1.9	40
5	Heuristic optimization of a continuous flow point-of-use UV-LED disinfection reactor using computational fluid dynamics. Water Research, 2015, 83, 310-318.	5.3	38
6	Impact of temperature-dependent hole injection on low-temperature electroluminescence collapse in ultraviolet light-emitting diodes. Applied Physics Letters, 2012, 101, .	1.5	11
7	Low threshold for optical damage in AlGa <sub>N</sub> epilayers and heterostructures. Journal of Applied Physics, 2013, 114, .	1.1	5
8	Dynamics of nonequilibrium carrier decay in AlGa <sub>N</sub> epitaxial layers with high aluminum content. Optics Express, 2015, 23, 19646.	1.7	5
9	High-efficiency UV LEDs on sapphire. , 2015, , .		2
10	Photomodification of carrier lifetime and diffusivity in AlGa <sub>N</sub> epitaxial layers. Current Applied Physics, 2016, 16, 633-637.	1.1	2