

Pavel Tonkaev

List of Publications by Year in descending order

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19
papers

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1051969

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19
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitonic versus Free-Carrier Contributions to the Nonlinearly Excited Photoluminescence in CsPbBr ₃ Perovskites. ACS Photonics, 2022, 9, 179-189.	3.2	11
2	Enhanced Five-Photon Photoluminescence in Subwavelength AlGaAs Resonators. Nano Letters, 2022, 22, 4200-4206.	4.5	5
3	Multifunctional and Transformative Metaphotonics with Emerging Materials. Chemical Reviews, 2022, 122, 15414-15449.	23.0	23
4	All-dielectric resonant metaphotonics: opinion. Optical Materials Express, 2022, 12, 2879.	1.6	6
5	Black Au-Decorated TiO ₂ Produced via Laser Ablation in Liquid. ACS Applied Materials & Interfaces, 2021, 13, 6522-6531.	4.0	32
6	Acceleration of radiative recombination in quasi-2D perovskite films on hyperbolic metamaterials. Applied Physics Letters, 2021, 118, .	1.5	12
7	Lasing Action from Anapole Metasurfaces. Nano Letters, 2021, 21, 6563-6568.	4.5	43
8	Modifying light-matter interactions with perovskite nanocrystals inside antiresonant photonic crystal fiber. Photonics Research, 2021, 9, 1462.	3.4	10
9	Enhanced Multiphoton Processes in Perovskite Metasurfaces. Nano Letters, 2021, 21, 7191-7197.	4.5	40
10	Mie-resonant mesoporous electron transport layer for highly efficient perovskite solar cells. Nano Energy, 2021, 89, 106484.	8.2	18
11	Control of spontaneous emission rate in lead halide perovskite film on hyperbolic metamaterial. Journal of Physics: Conference Series, 2021, 2015, 012153.	0.3	0
12	High-Q Dielectric Mie-Resonant Nanostructures (Brief Review). JETP Letters, 2020, 112, 615-622.	0.4	20
13	Light induced temperature decrease of semiconductor nanoparticle. Journal of Physics: Conference Series, 2020, 1461, 012179.	0.3	0
14	Room-Temperature Lasing from Mie-Resonant Nonplasmonic Nanoparticles. ACS Nano, 2020, 14, 8149-8156.	7.3	105
15	Stimulated Raman Scattering from Mie-Resonant Subwavelength Nanoparticles. Nano Letters, 2020, 20, 5786-5791.	4.5	22
16	Light-Emitting Nanophotonic Designs Enabled by Ultrafast Laser Processing of Halide Perovskites. Small, 2020, 16, e2000410.	5.2	60
17	Numerical study of Purcell effect enhancement for CsPbBr ₃ perovskite cubic particle. AIP Conference Proceedings, 2020, , .	0.3	0
18	Optical cooling of lead halide perovskite nanoparticles enhanced by Mie resonances. Nanoscale, 2019, 11, 17800-17806.	2.8	16

#	ARTICLE	IF	CITATIONS
19	Defects and Morphology Contribution to Photoluminescence of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Nanostructured by Femtosecond Laser Pulses. Solid State Phenomena, 0, 312, 179-184.	0.3	0