

Joakim Vester-Petersen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improving Upconversion Efficiency by Photon Management in Self-Assembled Core/Shell Nanocrystal Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22357-22365.	1.5	4
2	Strongly enhanced upconversion in trivalent erbium ions by tailored gold nanostructures: Toward high-efficient silicon-based photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110406.	3.0	14
3	A non-linear material interpolation for design of metallic nano-particles using topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 343, 23-39.	3.4	42
4	Near-field marking of gold nanostars by ultrashort pulsed laser irradiation: experiment and simulations. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	6
5	Dose regularization via filtering and projection: An open-source code for optimization-based proximity-effect-correction for nanoscale lithography. <i>Microelectronic Engineering</i> , 2018, 199, 52-57.	1.1	10
6	Field-enhancing photonic devices utilizing waveguide coupling and plasmonics - a selection rule for optimization-based design. <i>Optics Express</i> , 2018, 26, A788.	1.7	4
7	Topology optimized gold nanostrips for enhanced near-infrared photon upconversion. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	13
8	Plasmonically enhanced upconversion of 1500nm light via trivalent Er in a TiO2 matrix. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	19