Boris Kalinic

List of Publications by Year
in descending order

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35	555	567144 15	642610 23
papers	citations	h-index	g-index

35	35	35	736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective Control of Eu3+ Radiative Emission by Hyperbolic Metamaterials. Materials, 2022, 15, 4923.	1.3	0
2	Lanthanide Ions Sensitization by Small Noble Metal Nanoclusters. ACS Photonics, 2021, 8, 1364-1376.	3.2	6
3	Double-Langmuir model for optimized nanohole array-based plasmonic biosensors. Applied Surface Science, 2021, 556, 149802.	3.1	2
4	An atmospheric pressure plasma jet to tune the bioactive peptide coupling to polycaprolactone electrospun layers. Applied Surface Science, 2020, 507, 144713.	3.1	19
5	All-Dielectric Silicon Nanoslots for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msup><mml:mi>Er</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml Photoluminescence Enhancement. Physical Review Applied, 2020, 14, .	1.5	17
6	Optimal geometry for plasmonic sensing with non-interacting Au nanodisk arrays. Nanoscale Advances, 2020, 2, 3304-3315.	2.2	8
7	Amorphous intermixing of noble and magnetic metals in thin film-based nanostructures. Applied Surface Science, 2020, 513, 145779.	3.1	1
8	Structural modification of Au-Co thin films induced by annealing in oxidizing atmosphere. Surface and Coatings Technology, 2020, 385, 125309.	2.2	2
9	Ordered arrays of metallic nanoprisms for photonic applications. , 2020, , 111-138.		0
10	Nanopatterned films of Co3O4 nanopetals. Thin Solid Films, 2019, 691, 137628.	0.8	0
11	Co3O4 Nanopetals on Si as Photoanodes for the Oxidation of Organics. Surfaces, 2019, 2, 41-53.	1.0	10
12	Bidimensional ordered plasmonic nanoarrays for nonlinear optics, nanophotonics and biosensing applications. Materials Science in Semiconductor Processing, 2019, 92, 2-9.	1.9	26
13	Emission Rate Modification and Quantum Efficiency Enhancement of Er³⁺ Emitters by Near-Field Coupling with Nanohole Arrays. ACS Photonics, 2018, 5, 2189-2199.	3.2	23
14	Control of silver clustering for broadband Er3+ luminescence sensitization in Er and Ag co-implanted silica. Journal of Luminescence, 2018, 197, 104-111.	1.5	27
15	Ultra-fast dynamics in the nonlinear optical response of silver nanoprism ordered arrays. Nanoscale, 2018, 10, 5182-5190.	2.8	24
16	Emission Efficiency Enhancement of Er³⁺ Ions in Silica by Nearâ€Field Coupling With Plasmonic and Preâ€Plasmonic Nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700437.	0.8	8
17	Local structure and X-ray magnetic circular dichroism of Au in Au-Co nanoalloys. Applied Surface Science, 2018, 433, 596-601.	3.1	8
18	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. Scientific Reports, 2018, 8, 13811.	1.6	8

#	Article	IF	Citations
19	GaN-Based Laser Wireless Power Transfer System. Materials, 2018, 11, 153.	1.3	26
20	Dichroic nonlinear absorption response of silver nanoprism arrays. RSC Advances, 2017, 7, 17741-17747.	1.7	21
21	Spectral dependence of nonlinear absorption in ordered silver metallic nanoprism arrays. Scientific Reports, 2017, 7, 5307.	1.6	22
22	Amplified sensitization of Er³⁺ luminescence in silica by Au_N quantum clusters upon annealing in a reducing atmosphere. RSC Advances, 2016, 6, 99376-99384.	1.7	10
23	Wavelength- and polarization-dependent nonlinear optical properties of plasmonic nanoprism arrays. Proceedings of SPIE, 2016, , .	0.8	0
24	Enhanced optical functionalities in silica by doping with Au-based nanostructures. Physica Status Solidi (B): Basic Research, 2015, 252, 119-123.	0.7	4
25	Nonlinear absorption tuning by composition control in bimetallic plasmonic nanoprism arrays. Nanoscale, 2015, 7, 12411-12418.	2.8	31
26	Optimal geometric parameters of ordered arrays of nanoprisms for enhanced sensitivity in localized plasmon based sensors. Biosensors and Bioelectronics, 2015, 65, 346-353.	5.3	30
27	Interatomic Coupling of Au Molecular Clusters and Er³⁺ Ions in Silica. ACS Photonics, 2015, 2, 96-104.	3.2	19
28	Electrical control of optical emitter relaxation pathways enabled by graphene. Nature Physics, 2015, 11, 281-287.	6.5	99
29	Auâ€“Ag nanoalloy molecule-like clusters for enhanced quantum efficiency emission of Er³⁺ions in silica. Physical Chemistry Chemical Physics, 2015, 17, 28262-28269.	1.3	28
30	Gold-based nucleation in implanted silica studied by x-ray absorption spectroscopy. Ceramics International, 2015, 41, 8660-8664.	2.3	2
31	Controlling the Emission Rate of Er³⁺ Ions by Dielectric Coupling with Thin Films. Journal of Physical Chemistry C, 2015, 119, 6728-6736.	1.5	10
32	Coreâ€“shell-like Au sub-nanometer clusters in Er-implanted silica. Nanoscale, 2015, 7, 8968-8977.	2.8	11
33	Energy-transfer from ultra-small Au nanoclusters to Er3+ ions: a short-range mechanism. Physical Chemistry Chemical Physics, 2014, 16, 15158.	1.3	10
34	Near-infrared room temperature luminescence of few-atom Au aggregates in silica: a path for the energy-transfer to Er³⁺ions. Nanoscale, 2014, 6, 1716-1724.	2.8	23
35	Implantation damage effects on the Er³⁺luminescence in silica. Optics Express, 2012, 20, 16639.	1.7	20