

Boris Kalinic

List of Publications by Year in descending order

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35
papers

555
citations

567144

15
h-index

642610

23
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35
all docs

35
docs citations

35
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical control of optical emitter relaxation pathways enabled by graphene. <i>Nature Physics</i> , 2015, 11, 281-287.	6.5	99
2	Nonlinear absorption tuning by composition control in bimetallic plasmonic nanoprism arrays. <i>Nanoscale</i> , 2015, 7, 12411-12418.	2.8	31
3	Optimal geometric parameters of ordered arrays of nanoprisms for enhanced sensitivity in localized plasmon based sensors. <i>Biosensors and Bioelectronics</i> , 2015, 65, 346-353.	5.3	30
4	Au-Ag nanoalloy molecule-like clusters for enhanced quantum efficiency emission of Er ³⁺ ions in silica. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28262-28269.	1.3	28
5	Control of silver clustering for broadband Er ³⁺ luminescence sensitization in Er and Ag co-implanted silica. <i>Journal of Luminescence</i> , 2018, 197, 104-111.	1.5	27
6	GaN-Based Laser Wireless Power Transfer System. <i>Materials</i> , 2018, 11, 153.	1.3	26
7	Bidimensional ordered plasmonic nanoarrays for nonlinear optics, nanophotonics and biosensing applications. <i>Materials Science in Semiconductor Processing</i> , 2019, 92, 2-9.	1.9	26
8	Ultra-fast dynamics in the nonlinear optical response of silver nanoprism ordered arrays. <i>Nanoscale</i> , 2018, 10, 5182-5190.	2.8	24
9	Near-infrared room temperature luminescence of few-atom Au aggregates in silica: a path for the energy-transfer to Er ³⁺ ions. <i>Nanoscale</i> , 2014, 6, 1716-1724.	2.8	23
10	Emission Rate Modification and Quantum Efficiency Enhancement of Er ³⁺ Emitters by Near-Field Coupling with Nanohole Arrays. <i>ACS Photonics</i> , 2018, 5, 2189-2199.	3.2	23
11	Spectral dependence of nonlinear absorption in ordered silver metallic nanoprism arrays. <i>Scientific Reports</i> , 2017, 7, 5307.	1.6	22
12	Dichroic nonlinear absorption response of silver nanoprism arrays. <i>RSC Advances</i> , 2017, 7, 17741-17747.	1.7	21
13	Implantation damage effects on the Er ³⁺ luminescence in silica. <i>Optics Express</i> , 2012, 20, 16639.	1.7	20
14	Interatomic Coupling of Au Molecular Clusters and Er ³⁺ Ions in Silica. <i>ACS Photonics</i> , 2015, 2, 96-104.	3.2	19
15	An atmospheric pressure plasma jet to tune the bioactive peptide coupling to polycaprolactone electrospun layers. <i>Applied Surface Science</i> , 2020, 507, 144713.	3.1	19
16	All-Dielectric Silicon Nanoslots for Er^{3+} Photoluminescence Enhancement. <i>Physical Review Applied</i> , 2020, 14, .	1.5	17
17	Core-shell-like Au sub-nanometer clusters in Er-implanted silica. <i>Nanoscale</i> , 2015, 7, 8968-8977.	2.8	11
18	Energy-transfer from ultra-small Au nanoclusters to Er ³⁺ ions: a short-range mechanism. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15158.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Controlling the Emission Rate of Er ³⁺ Ions by Dielectric Coupling with Thin Films. Journal of Physical Chemistry C, 2015, 119, 6728-6736.	1.5	10
20	Amplified sensitization of Er ³⁺ luminescence in silica by Au _N quantum clusters upon annealing in a reducing atmosphere. RSC Advances, 2016, 6, 99376-99384.	1.7	10
21	Co ₃ O ₄ Nanopetals on Si as Photoanodes for the Oxidation of Organics. Surfaces, 2019, 2, 41-53.	1.0	10
22	Emission Efficiency Enhancement of Er ³⁺ Ions in Silica by Near-Field Coupling With Plasmonic and Pre-Plasmonic Nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700437.	0.8	8
23	Local structure and X-ray magnetic circular dichroism of Au in Au-Co nanoalloys. Applied Surface Science, 2018, 433, 596-601.	3.1	8
24	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. Scientific Reports, 2018, 8, 13811.	1.6	8
25	Optimal geometry for plasmonic sensing with non-interacting Au nanodisk arrays. Nanoscale Advances, 2020, 2, 3304-3315.	2.2	8
26	Lanthanide Ions Sensitization by Small Noble Metal Nanoclusters. ACS Photonics, 2021, 8, 1364-1376.	3.2	6
27	Enhanced optical functionalities in silica by doping with Au-based nanostructures. Physica Status Solidi (B): Basic Research, 2015, 252, 119-123.	0.7	4
28	Gold-based nucleation in implanted silica studied by x-ray absorption spectroscopy. Ceramics International, 2015, 41, 8660-8664.	2.3	2
29	Structural modification of Au-Co thin films induced by annealing in oxidizing atmosphere. Surface and Coatings Technology, 2020, 385, 125309.	2.2	2
30	Double-Langmuir model for optimized nanohole array-based plasmonic biosensors. Applied Surface Science, 2021, 556, 149802.	3.1	2
31	Amorphous intermixing of noble and magnetic metals in thin film-based nanostructures. Applied Surface Science, 2020, 513, 145779.	3.1	1
32	Wavelength- and polarization-dependent nonlinear optical properties of plasmonic nanoprism arrays. Proceedings of SPIE, 2016, , .	0.8	0
33	Nanopatterned films of Co ₃ O ₄ nanopetals. Thin Solid Films, 2019, 691, 137628.	0.8	0
34	Ordered arrays of metallic nanoprisms for photonic applications. , 2020, , 111-138.		0
35	Selective Control of Eu ³⁺ Radiative Emission by Hyperbolic Metamaterials. Materials, 2022, 15, 4923.	1.3	0