

Juraj Breza

List of Publications by Year in descending order

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37
papers

338
citations

1040056

9
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy of silicon with nanostructured surface. <i>Optik</i> , 2022, 257, 168869.	2.9	3
2	Utilization of catalytically active metals in mining waste and water for synthesis of carbon nanotubes. <i>Cleaner Engineering and Technology</i> , 2022, 8, 100459.	4.0	3
3	Chemical treatment of montmorillonite and kaolinite for synthesis of carbon nanotubes. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
4	Vertical current transport processes in MOS-HEMT heterostructures. <i>Applied Surface Science</i> , 2020, 527, 146605.	6.1	0
5	A model of antiparallel spontaneous and piezoelectric polarizations in AlGaN/GaN. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
6	Characterization of MIS photoanode with a thin SiO ₂ layer for photoelectrochemical water splitting. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
7	Preparation of Fe-impregnated sepiolite catalytic layers for synthesis of carbon nanotube nanocomposites. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
8	High-field electron mobility model of vertical charge transport in Al/Al ₂ O ₃ /GaN/AlGaN/GaN heterostructures. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
9	Raman spectroscopy of porous silicon substrates. <i>Optik</i> , 2018, 174, 347-353.	2.9	17
10	Raman spectroscopy of material burnt in electric arc (a case study). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
11	Potentiostatic electrodeposition under light irradiation for preparation of highly photoactive Cu ₂ O for water splitting applications. <i>Applied Surface Science</i> , 2018, 461, 196-201.	6.1	16
12	Interference enhancement in SERS spectra of rhodamine 6G: Relation to reflectance. <i>Vibrational Spectroscopy</i> , 2017, 90, 31-37.	2.2	13
13	Simulation of real I-V characteristics of metal/GaN/AlGaN heterostructure based on the 12-EXT model of trap-assisted tunnelling. <i>Applied Surface Science</i> , 2017, 395, 122-130.	6.1	4
14	Erratum to "Vančo, Magdaléna Kadlečková, Juraj Breza, Pavol Michniak, Michal ĀEppan, Milena Reháková, Eva Belányiová, Beata Butvinová: Differentiation of selected blue writing inks by surface-enhanced Raman spectroscopy", <i>Chemical Papers</i> 69 (4) 518-526 (2015). <i>Chemical Papers</i> , 2015, 69, .	2.2	1
15	Erratum to "Vančo, Magdaléna Kadlečková, Juraj Breza, Pavol Michniak, Michal ĀEppan, Milena Reháková, Eva Belányiová, Beata Butvinová: Differentiation of selected blue writing inks by surface-enhanced Raman spectroscopy", <i>Chemical Papers</i> 69 (4) 518-526 (2015). <i>Chemical Papers</i> , 2015, 69, .	2.2	0
16	Raman mapping as a tool for discrimination of blue writing inks and their cross lines. <i>Vibrational Spectroscopy</i> , 2015, 79, 11-15.	2.2	8
17	Interference enhanced first-order Raman band of monocrystalline silicon. <i>Vacuum</i> , 2014, 110, 102-105.	3.5	2
18	Capacitance study of carrier inversion at the amorphous/crystalline silicon heterojunction passivated by different thicknesses of i-layer. <i>Applied Surface Science</i> , 2014, 312, 152-156.	6.1	7

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19	The layers of carbon nanomaterials as the base of ohmic contacts to p-GaN. Applied Surface Science, 2014, 312, 63-67.	6.1	2
20	A model of trap-assisted tunneling in GaN/AlGaIn/GaN heterostructure based on exchange times. Applied Surface Science, 2014, 312, 68-73.	6.1	6
21	Examining the ground layer of St. Anthony from Padua 19th century oil painting by Raman spectroscopy, scanning electron microscopy and X-ray diffraction. Applied Surface Science, 2013, 264, 692-698.	6.1	6
22	The growth of multi-walled carbon nanotubes on natural clay minerals (kaolinite, nontronite and) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	6.1	23
23	Improving the ohmic properties of contacts to p-GaN by adding p-type dopants into the metallization layer. Journal of Electrical Engineering, 2012, 63, 397-401.	0.7	3
24	Contribution to the Quantitative Analysis of Ternary Alloys of Group III-Nitrides by Auger Spectroscopy. Journal of Electrical Engineering, 2010, 61, 62-64.	0.7	2
25	Raman Spectra of Two Samples of Rubrene Layers. Journal of Electrical Engineering, 2010, 61, 296-298.	0.7	4
26	Electron diffraction on graphite nanocrystals in the walls of carbon nanotubes. Applied Surface Science, 2009, 255, 7568-7573.	6.1	2
27	Some simulated properties of the pseudostructure of a floating gate MOS transistor. , 2009, , .		0
28	The principle of a new thermometer in HF CVD reactor. , 2009, , .		0
29	The growth of carbon nanotubes on montmorillonite and zeolite (clinoptilolite). Applied Surface Science, 2008, 254, 5073-5079.	6.1	29
30	Unified tunnelling-diffusion theory for Schottky and very thin MOS structures. Solid-State Electronics, 2008, 52, 1755-1765.	1.4	9
31	Bundles of carbon nanotubes grown on sapphire and quartz substrates by catalytic hot filament chemical vapor deposition. Materials Letters, 2007, 61, 4549-4552.	2.6	7
32	Quantitative Auger electron spectroscopy of SiC. Vacuum, 2006, 80, 990-995.	3.5	9
33	Diamond icosahedron on a TiN-coated steel substrate. Microelectronics Journal, 2004, 35, 709-712.	2.0	11
34	Title is missing!. European Physical Journal D, 1997, 47, 649-655.	0.4	4
35	Extended thermionic emission-diffusion theory of charge transport through a Schottky diode. Solid-State Electronics, 1996, 39, 391-397.	1.4	14
36	AES of semi-insulating polycrystalline silicon layers. Applied Surface Science, 1996, 99, 9-14.	6.1	6

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37	Hydroxylation and dehydroxylation at Cu(III) surfaces. Chemical Physics Letters, 1979, 66, 340-343.	2.6	125