M Shahid Rafique

List of Publications by Year
in descending order

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29	958	840776 11	477307 29
papers	citations	h-index	g-index

29	29	29	1296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Concentration of Single-Wall Carbon Nanotubes (SWCNTs) in a SWCNTs/ZnO Nanorods Channel-Based Thin-Film Transistor. Journal of Electronic Materials, 2019, 48, 7055-7062.	2.2	2
2	Femtosecond laser induced two-photon absorption in Au-ion embedded glasses. Laser and Particle Beams, 2019, 37, 61-66.	1.0	3
3	Novel and facile synthesis of silver nanoparticles using Albizia procera leaf extract for dye degradation and antibacterial applications. Materials Science and Engineering C, 2019, 99, 1313-1324.	7.3	88
4	The role of laser fluence and ambient environments on femtosecond laser induced breakdown spectroscopy and on surface morphology of Mg and Zr. Journal of Applied Physics, 2019, 125, .	2.5	13
5	Material and method selection for efficient solid oxide fuel cell anode: Recent advancements and reviews. International Journal of Energy Research, 2019, 43, 2423-2446.	4.5	62
6	Growth of surface structures correlated with structural and mechanical modifications of brass by laser-induced Si plasma ions implantation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	8
7	A review on green synthesis of silver nanoparticles and their applications. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1272-1291.	2.8	542
8	Bi- tri- and few-layer graphene growth by PLD technique using Ni as catalyst. Materials Science-Poland, 2017, 35, 687-693.	1.0	11
9	Modification in surface properties of poly-allyl-diglycol-carbonate (CR-39) implanted by Au⁺ions at different fluences. Materials Science-Poland, 2016, 34, 468-478.	1.0	7
10	The generation, detection and measurement of laser-induced carbon plasma ions and their implantation effects on brass substrate. Radiation Effects and Defects in Solids, 2016, 171, 565-582.	1.2	6
11	Impact of nucleation of carbonaceous clusters on structural, electrical and optical properties of Cr+-implanted PMMA. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4
12	SEM and Raman spectroscopy analyses of laser-induced periodic surface structures grown by ethanol-assisted femtosecond laser ablation of chromium. Radiation Effects and Defects in Solids, 2015, 170, 414-428.	1.2	6
13	Investigation of Magnetic Anisotropy in Cobalt Chromium (CoCr0.5Fe1.5O4) Spinel Ferrite Thin Films. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3147-3156.	1.8	5
14	Surface modification of platinum by laser-produced X-rays. Radiation Effects and Defects in Solids, 2014, 169, 942-953.	1.2	3
15	Implantation of various energy metallic ions on aluminium substrate using a table top laser driven ion source. Laser and Particle Beams, 2014, 32, 261-270.	1.0	12
16	Surface and structural modifications of titanium induced by various pulse energies of a femtosecond laser in liquid and dry environment. Applied Physics A: Materials Science and Processing, 2014, 114, 243-251.	2.3	21
17	The growth of nanoscale periodic and dot-like structures on the surface of stainless steel with femtosecond laser pulses in the dry and wet ambient environment. Applied Physics A: Materials Science and Processing, 2013, 113, 673-681.	2.3	11
18	Identification of non-thermal and thermal processes in femtosecond laser-ablated aluminum. Radiation Effects and Defects in Solids, 2013, 168, 902-911.	1.2	18

#	Article	IF	Citations
19	Surface modifications of materials by repetitive laser pulses. Radiation Effects and Defects in Solids, 2012, 167, 403-409.	1.2	7
20	Identification of ultra-fast electronic and thermal processes during femtosecond laser ablation of Si. Applied Physics A: Materials Science and Processing, 2012, 109, 421-429.	2.3	10
21	Surface topography of ultrashort laser-irradiated CaF2. Radiation Effects and Defects in Solids, 2011, 166, 30-34.	1.2	7
22	Nonlinear absorption properties correlated with the surface and structural changes of ultra short pulse laser irradiated CR-39. Applied Physics A: Materials Science and Processing, 2010, 100, 1183-1189.	2.3	16
23	Atomic force microscopy, Raman spectroscopy and nonlinear absorption properties of femtosecond laser irradiated CR-39. Applied Physics A: Materials Science and Processing, 2010, 101, 551-554.	2.3	6
24	Atomic force microscopy and Raman scattering studies of femtosecond laser-induced nanohillocks on CR-39. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3606-3610.	1.4	8
25	Laser ablation of ion irradiated CR-39. Laser and Particle Beams, 2007, 25, 181-191.	1.0	28
26	Laser induced exfoliational splashing in glass materials. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 338-342.	1.4	5
27	Laser-produced copper ion energy spectrum employing Thomson scattering technique. Laser Physics, 2007, 17, 282-285.	1.2	10
28	Theoretical model for heat conduction in metals during interaction with ultra short laser pulse. Laser and Particle Beams, 2006, 24, 347-353.	1.0	13
29	Angular distribution and forward peaking of laser produced plasma ions. Laser and Particle Beams, 2005, 23, 131-135.	1.0	26