

N U Rehman

List of Publications by Year in descending order

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19
papers

186
citations

1307594

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1058476

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19
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of plasma parameters in capacitively coupled He ⁺ O ₂ /Ar mixture plasma generated at low pressure using 13.56 MHz generator. <i>Physica Scripta</i> , 2020, 95, 045403.	2.5	7
2	Temporal evolution of plasma parameters in a pulse-modulated capacitively coupled Ar/O ₂ mixture discharge. <i>AIP Advances</i> , 2020, 10, 115005.	1.3	2
3	Spectroscopic investigation of non-thermal plasma generated in atmospheric pressure ⁺ Plasma Pencil [™] . <i>International Journal of Modern Physics B</i> , 2020, 34, 2050112.	2.0	0
4	Spectroscopic analysis of gold nanoparticle synthesis using plasma liquid interaction technique. <i>Materials Research Express</i> , 2019, 6, 095056.	1.6	0
5	Micro-plasma assisted synthesis of multifunctional D-fructose coated silver nanoparticles. <i>Materials Research Express</i> , 2019, 6, 1050a2.	1.6	6
6	Spectroscopic study of CO ₂ and CO ₂ +N ₂ mixture plasma using dielectric barrier discharge. <i>AIP Advances</i> , 2019, 9, .	1.3	25
7	Synthesis and spectroscopic characterization of gold nanoparticles via plasma-liquid interaction technique. <i>AIP Advances</i> , 2018, 8, .	1.3	20
8	Studying the morphological features of plasma treated silver and PEGylated silver nanoparticles: antibacterial activity. <i>Materials Research Express</i> , 2018, 5, 035016.	1.6	1
9	Langmuir probe study of an inductively coupled magnetic-pole-enhanced helium plasma. <i>Plasma Physics Reports</i> , 2017, 43, 588-593.	0.9	6
10	Characterization of RF He-N ₂ /Ar mixture plasma via Langmuir probe and optical emission spectroscopy techniques. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	13
11	Evolution of plasma parameters in a He-N ₂ /Ar magnetic pole enhanced inductive plasma source. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	8
12	Correlation between excitation and electron temperature in 50 Hz pulsed Ar+O ₂ mixture plasma. <i>Optik</i> , 2016, 127, 3312-3315.	2.9	3
13	A Low-Frequency Dielectric Barrier Discharge System Design for Textile Treatment. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 104-109.	0.6	14
14	Optical emission spectroscopy of He+N ₂ mixture plasma. <i>Radiation Effects and Defects in Solids</i> , 2015, 170, 668-678.	1.2	4
15	Surface Hardening of M2 High Speed Steel Using 50Hz Pulsed DC Source With Nitrogen as a Base Gas. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1057-1062.	0.6	2
16	Development of Simple Designs of Multitip Probe Diagnostic Systems for RF Plasma Characterization. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	4
17	Effect of Excitation and Vibrational Temperature on the Dissociation of Nitrogen Molecules in Ar-N ₂ Mixture RF Discharge. <i>Spectroscopy Letters</i> , 2011, 44, 194-202.	1.0	13
18	Diagnostic of 13.56 MHz RF sustained Ar+N ₂ plasma by optical emission spectroscopy. <i>EPJ Applied Physics</i> , 2009, 45, 11002.	0.7	41

#	ARTICLE	IF	CITATIONS
19	Determination of excitation temperature and vibrational temperature of the $N_{2}(C^3\Pi_u, 1/2^2)$ state in Ne- N_2 RF discharges. Plasma Sources Science and Technology, 2008, 17, 025005.		17