

# N U Rehman

## List of Publications by Year in descending order

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19  
papers

186  
citations

1307594

7  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic of 13.56 MHz RF sustained Ar-N <sub>2</sub> plasma by optical emission spectroscopy. EPJ Applied Physics, 2009, 45, 11002.	0.7	41
2	Spectroscopic study of CO <sub>2</sub> and CO <sub>2</sub> -N <sub>2</sub> mixture plasma using dielectric barrier discharge. AIP Advances, 2019, 9, .	1.3	25
3	Synthesis and spectroscopic characterization of gold nanoparticles via plasma-liquid interaction technique. AIP Advances, 2018, 8, .	1.3	20
4	Determination of excitation temperature and vibrational temperature of the N <sub>2</sub> (C <sup>3</sup> Π <sub>u</sub> , 1/2 <sup>+</sup> ) state in Ne-N <sub>2</sub> RF discharges. Plasma Sources Science and Technology, 2008, 17, 025005.	1.3	17
5	A Low-Frequency Dielectric Barrier Discharge System Design for Textile Treatment. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 104-109.	0.6	14
6	Effect of Excitation and Vibrational Temperature on the Dissociation of Nitrogen Molecules in Ar-N <sub>2</sub> Mixture RF Discharge. Spectroscopy Letters, 2011, 44, 194-202.	1.0	13
7	Characterization of RF He-N <sub>2</sub> /Ar mixture plasma via Langmuir probe and optical emission spectroscopy techniques. Physics of Plasmas, 2016, 23, .	1.9	13
8	Evolution of plasma parameters in a He-N <sub>2</sub> /Ar magnetic pole enhanced inductive plasma source. Physics of Plasmas, 2016, 23, .	1.9	8
9	Evolution of plasma parameters in capacitively coupled He-O <sub>2</sub> /Ar mixture plasma generated at low pressure using 13.56 MHz generator. Physica Scripta, 2020, 95, 045403.	2.5	7
10	Langmuir probe study of an inductively coupled magnetic-pole-enhanced helium plasma. Plasma Physics Reports, 2017, 43, 588-593.	0.9	6
11	Micro-plasma assisted synthesis of multifunctional D-fructose coated silver nanoparticles. Materials Research Express, 2019, 6, 1050a2.	1.6	6
12	Development of Simple Designs of Multitip Probe Diagnostic Systems for RF Plasma Characterization. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	4
13	Optical emission spectroscopy of He-N <sub>2</sub> mixture plasma. Radiation Effects and Defects in Solids, 2015, 170, 668-678.	1.2	4
14	Correlation between excitation and electron temperature in 50 Hz pulsed Ar-O <sub>2</sub> mixture plasma. Optik, 2016, 127, 3312-3315.	2.9	3
15	Surface Hardening of M2 High Speed Steel Using 50 Hz Pulsed DC Source With Nitrogen as a Base Gas. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1057-1062.	0.6	2
16	Temporal evolution of plasma parameters in a pulse-modulated capacitively coupled Ar/O <sub>2</sub> mixture discharge. AIP Advances, 2020, 10, 115005.	1.3	2
17	Studying the morphological features of plasma treated silver and PEGylated silver nanoparticles: antibacterial activity. Materials Research Express, 2018, 5, 035016.	1.6	1
18	Spectroscopic analysis of gold nanoparticle synthesis using plasma liquid interaction technique. Materials Research Express, 2019, 6, 095056.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Spectroscopic investigation of non-thermal plasma generated in atmospheric pressure â€œPlasma Pencilâ€™™. International Journal of Modern Physics B, 2020, 34, 2050112.	2.0	0