

# Paramjit Singh

## List of Publications by Year in descending order

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27  
papers

562  
citations

516710

16  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	High dose gamma radiation exposure upon Kapton-H polymer for modifications of optical, free volume, structural and chemical properties. <i>Optik</i> , 2020, 205, 164244.	2.9	6
2	Radiation Physics and Chemistry of Polymeric Materials. Springer Series on Polymer and Composite Materials, 2019, , 35-68.	0.7	3
3	High energy 120 MeV Ti <sup>9+</sup> ion beam induced modifications in optical, structural and surface morphological properties of titanium dioxide thin films. <i>Vacuum</i> , 2019, 166, 323-334.	3.5	20
4	Influence of 120 MeV S <sup>9+</sup> ion irradiation on structural, optical and morphological properties of zirconium oxide thin films deposited by RF sputtering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 898-907.	2.1	21
5	Electronic energy transfer effects of Ti <sup>9+</sup> and S <sup>9+</sup> ions irradiations upon structural, optical and chemical properties of Kapton-H polymer. <i>Vacuum</i> , 2018, 157, 447-452.	3.5	4
6	Modifications in physico-chemical properties of 100 MeV oxygen ions irradiated polyimide Kapton-H polymer. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 406, 188-192.	1.4	19
7	Radiation induced nano-scale free volume modifications in amorphous polymeric material: a study using positron annihilation lifetime spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 1659-1666.	1.5	9
8	Gamma Radiation Induced Modifications on Physicochemical Properties of Makrofol (KG and N) Polycarbonate. <i>Advances in Polymer Technology</i> , 2015, 34, .	1.7	24
9	Impact of Swift Heavy Ions and Gamma Radiation upon Optical, Structural, and Chemical Properties of Polypropylene Polymer Films. <i>Advances in Polymer Technology</i> , 2015, 34, .	1.7	2
10	A Comparative Study of the Effects of Oxygen Ions Upon the Free Volume and Physico-Chemical Properties of Makrofol (KG & N) Polycarbonate. <i>Macromolecular Symposia</i> , 2015, 357, 86-98.	0.7	0
11	The influence of cross-linking and clustering upon the nanohole free volume of the SHI and <sup>137</sup> I-radiation induced polymeric material. <i>Applied Surface Science</i> , 2015, 328, 482-490.	6.1	21
12	Influence of SHI upon nanohole free volume and micro scale level surface modifications of polyethyleneterephthalate polymer films. <i>Applied Surface Science</i> , 2015, 337, 19-26.	6.1	19
13	Investigation of in-depth and surface properties of polyethyleneterephthalate thin films after SHI and gamma radiation treatment by means of PALS and AFM studies. <i>Vacuum</i> , 2015, 115, 31-38.	3.5	13
14	SHI irradiation of metal doped zinc sulfide polymer nanocomposites synthesized using micro emulsion method. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 358, 258-262.	1.4	3
15	PALS and physico-chemical study of swift heavy ions and gamma radiation irradiated polyamide nylon 66 polymer. <i>Vacuum</i> , 2015, 121, 177-186.	3.5	8
16	Modifications induced by gamma irradiation upon structural, optical and chemical properties of polyamide nylon-6,6 polymer. <i>Radiation Effects and Defects in Solids</i> , 2014, 169, 679-685.	1.2	17
17	Influence of High Energy Ion Irradiation on the Structural, Optical, and Chemical Properties of Polytetrafluoroethylene. <i>Advances in Polymer Technology</i> , 2014, 33, .	1.7	29
18	Modifications of structural, optical and chemical properties of Li <sup>3+</sup> irradiated polyurethane and polyetheretherketone. <i>Radiation Physics and Chemistry</i> , 2014, 96, 181-185.	2.8	26

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19	High energy (MeV) ion fluence dependent nano scale free volume defects studies of PMMA films. Nuclear Instruments & Methods in Physics Research B, 2014, 320, 64-69.	1.4	17
20	Study of physical and chemical modifications induced by 50MeV Li <sup>3+</sup> ion beam in polymers. Radiation Physics and Chemistry, 2014, 94, 54-57.	2.8	19
21	60MeV Ni ion induced modifications in nano-CdS/polystyrene composite films. Radiation Physics and Chemistry, 2014, 94, 49-53.	2.8	22
22	UVâ€“visible and infrared spectroscopic studies of Li <sup>3+</sup> and C <sup>5+</sup> irradiated PADC polymer. Results in Physics, 2013, 3, 122-128.	4.1	35
23	Study of structural and free volume properties of swift heavy ion irradiated Polyallyl diglycol carbonate polymer films. Vacuum, 2013, 96, 46-51.	3.5	24
24	Study of high energy (MeV) N <sup>6+</sup> ion and gamma radiation induced modifications in low density polyethylene (LDPE) polymer. Nuclear Instruments & Methods in Physics Research B, 2013, 301, 12-16.	1.4	39
25	Free volume evolution in 50ÂMeV Li <sup>3+</sup> ion-irradiated polymers studied by positron annihilation lifetime spectroscopy. Radiation Effects and Defects in Solids, 2013, 168, 97-105.	1.2	16
26	Carbon ion beam induced modifications of optical, structural and chemical properties in PADC and PET polymers. Radiation Physics and Chemistry, 2012, 81, 652-658.	2.8	113
27	Physical and chemical response of 145MeV Ne <sup>6+</sup> ion irradiated polymethylmethacrylate (PMMA) polymer. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 1755-1759.	1.4	33