

# Sayyed Mohammad Mahdi Abtahi

## List of Publications by Year in descending order

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15  
papers

225  
citations

1040018

9  
h-index

996954

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of a modified radiochromic genipin-gel dosimeter: Dosimetric characteristics and radiological properties. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 328, 19-31.	1.5	3
2	The Effect of N, N-Ethylmethylene-bis-acrylamide Removal from a Polymer Gel Dosimeter Formulation: Spin Relaxation Rate Investigation and Post-irradiation Time Instability. <i>Applied Magnetic Resonance</i> , 2021, 52, 1159.	1.2	1
3	The investigation of the destructive effects of high-energy hydrogen ions on molybdenum and copper. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 737-745.	1.5	4
4	Dose distribution verification in intraoperative radiation therapy using an N-isopropyl acrylamide-based polymer gel dosimeter. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 481-488.	1.5	7
5	Assessment of photon energy and dose rate dependence of U-NIPAM polymer gel dosimeter. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108784.	2.8	9
6	A new formulation of polymer gel dosimeter with reduced toxicity: Dosimetric characteristics and radiological properties. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 185-193.	1.5	14
7	A systematic review of clinical applications of polymer gel dosimeters in radiotherapy. <i>Applied Radiation and Isotopes</i> , 2019, 143, 47-59.	1.5	63
8	Response overshoot: a challenge for the application of polymer gel dosimeters. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 885-893.	1.5	6
9	Investigation of the radiological properties of various phantoms for their application in low energy X-rays dosimetry. <i>Radiation Physics and Chemistry</i> , 2019, 157, 33-39.	2.8	13
10	Dosimetric characteristics of PASSAG as a new polymer gel dosimeter with negligible toxicity. <i>Radiation Physics and Chemistry</i> , 2018, 147, 91-100.	2.8	33
11	A new less toxic polymer gel dosimeter: Radiological characteristics and dosimetry properties. <i>Physica Medica</i> , 2018, 53, 137-144.	0.7	18
12	A novel method for increasing the sensitivity of NIPAM polymer gel dosimeter. <i>Radiation Physics and Chemistry</i> , 2018, 153, 35-43.	2.8	18
13	Evaluation of dose rate and photon energy dependence of PASSAG polymer gel dosimeter. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1041-1050.	1.5	15
14	Dependence of micronuclei assay on the depth of absorbed dose. <i>Reports of Practical Oncology and Radiotherapy</i> , 2017, 22, 470-476.	0.6	3
15	Polymer gel dosimeters with PVA-GA matrix. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 651-658.	1.3	18