

Yoshiyuki Shirakawa

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

280
citations

933447

10
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

101
citing authors

#	ARTICLE	IF	CITATIONS
1	Blended polyethylene terephthalate and polyethylene naphthalate polymers for scintillation base substrates. <i>Radiation Measurements</i> , 2013, 59, 172-175.	1.4	37
2	Mechanism of wavelength conversion in polystyrene doped with benzoxanthene: emergence of a complex. <i>Scientific Reports</i> , 2013, 3, 2502.	3.3	28
3	Development of polystyrene-based scintillation materials and its mechanisms. <i>Applied Physics Letters</i> , 2012, 101, 261110.	3.3	27
4	Light propagation characteristics of high-purity polystyrene. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	22
5	Optimized mounting of a polyethylene naphthalate scintillation material in a radiation detector. <i>Applied Radiation and Isotopes</i> , 2013, 80, 84-87.	1.5	17
6	Radiation Counting Characteristics on Surface-Modified Polyethylene Naphthalate Scintillators. <i>Radioisotopes</i> , 2013, 62, 879-884.	0.2	16
7	Poly (ether sulfone) as a scintillation material for radiation detection. <i>Applied Radiation and Isotopes</i> , 2014, 86, 36-40.	1.5	15
8	Detection of alpha particles with undoped poly (ethylene naphthalate). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 739, 6-9.	1.6	15
9	Cheap educational materials for understanding radiation. <i>Physics Education</i> , 2012, 47, 17-18.	0.5	13
10	Quick Response of a Survey Meter in Static Condition. <i>Radioisotopes</i> , 2005, 54, 199-204.	0.2	13
11	Senses alone cannot detect different properties. <i>Physics Education</i> , 2013, 48, 556-558.	0.5	10
12	Blended poly (ether sulfone) and poly (ethylene naphthalate) as a scintillation material. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 759, 1-5.	1.6	10
13	Undoped Polycarbonate for Detection of Environmental Radiation. <i>Japanese Journal of Health Physics</i> , 2014, 49, 98-101.	0.1	9
14	Characterizing radiation spectra with stacked plastic sheets. <i>Physics Education</i> , 2014, 49, 135-136.	0.5	8
15	Optical characteristics of pure poly (vinyltoluene) for scintillation applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 770, 131-134.	1.6	8
16	Remote sensing of nuclear accidents using a direction finding detector. , 2009, , .		6
17	Undoped poly (phenyl sulfone) for radiation detection. <i>Radiation Measurements</i> , 2015, 73, 14-17.	1.4	6
18	Optimised mounting conditions for poly (ether sulfone) in radiation detection. <i>Applied Radiation and Isotopes</i> , 2014, 91, 131-134.	1.5	5

#	ARTICLE	IF	CITATIONS
19	A model survey meter using undoped poly (ether sulfone). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 780, 127-130.	1.6	4
20	Energy Responses of a Direction Finding Gamma Ray Detector Applied to a Monitoring Post. Radioisotopes, 2006, 55, 13-20.	0.2	3
21	Polysulfone as a scintillation material without doped fluorescent molecules. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 797, 206-209.	1.6	2
22	Exclusive attributes of undoped poly (ethylene terephthalate) for alpha particle detection. Radiation Measurements, 2016, 92, 54-58.	1.4	2
23	Alpha Particle Response for a Prototype Radiation Survey Meter Based on Poly(ethylene terephthalate) with Un-doping Fluorescent Guest Molecules. Japanese Journal of Health Physics, 2016, 51, 60-63.	0.1	1
24	A potential base substrate for deformable scintillation materials. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 818, 91-94.	1.6	1
25	Fluorescence pulses derived from thin poly (ethylene terephthalate) in response to charged particles. Physica Scripta, 2021, 96, 125307.	2.5	1
26	Multi-Parameter Measurements in a Blast Furnace Using Interactions of Neutrons and γ -rays. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 311-317.	0.2	1
27	Position Dependence for Count Rates in a Polyethylene Naphthalate Survey Meter. Japanese Journal of Health Physics, 2015, 50, 90-93.	0.1	0