

Muhammad Jamil

List of Publications by Year in descending order

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84
all docs

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docs citations

84
times ranked

486
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable energy technologies adopted by the UAE: Prospects and challenges â€” A comprehensive overview. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 1181-1194.	8.2	84
2	Comparative study on the electrooptical properties of polymerâ€”dispersed liquid crystal films with different mixtures of monomers and liquid crystals. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1424-1430.	1.3	40
3	Application and New Developments in Polymerâ€”Dispersed Liquid Crystal Simulation Studies. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 643-659.	0.6	37
4	Investigation of nonionic diazo dye-doped polymer dispersed liquid crystal film. <i>Bulletin of Materials Science</i> , 2012, 35, 221-231.	0.8	32
5	Current trends in studies on reverse-mode polymer dispersed liquid-crystal films â€” A review. <i>Electronic Materials Letters</i> , 2014, 10, 679-692.	1.0	31
6	Advances in the metal nanoparticles (MNPs) doped liquid crystals and polymer dispersed liquid crystal (PDLC) composites and their applications - a review. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 731, 1-33.	0.4	28
7	The effect of UV intensities and curing time on polymer dispersed liquid crystal (PDLC) display: A detailed analysis study. <i>Electronic Materials Letters</i> , 2016, 12, 685-692.	1.0	27
8	Synthesis and properties of nonâ€”symmetric liquid crystal dimers containing a cholesteryl moiety. <i>Liquid Crystals</i> , 2008, 35, 39-44.	0.9	24
9	Reverse mode polymer stabilized cholesteric texture (PSCT) light shutter display â€” A short review. <i>Journal of Molecular Liquids</i> , 2017, 233, 187-196.	2.3	23
10	Properties of thiolâ€”vinyl PDLC films without additional photoinitiator. <i>Liquid Crystals</i> , 2014, 41, 1109-1115.	0.9	21
11	The investigation of molecular affinity involved in poly(ethylene glycol)-based polymer-dispersed liquid crystal display. <i>Colloid and Polymer Science</i> , 2012, 290, 599-606.	1.0	19
12	Applications of multidirectional reflective light-control films on reflective polymer-dispersed liquid crystal displays for enhancement in image quality at lower viewing angles. <i>Liquid Crystals</i> , 2012, 39, 1314-1319.	0.9	16
13	Effect of cetyltrimethylammonium bromide coatings on indium tin oxide surfaces in reverse mode polymer dispersed liquid crystal films. <i>Liquid Crystals</i> , 2014, 41, 621-625.	0.9	13
14	A novel technique of fabrication of nanoparticle acrylate doped polymer dispersed liquid crystal (PDLC) film. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1506-1511.	1.3	12
15	Optical property enhancement of dyeâ€”PDLC using active reflector structure. <i>Journal of Applied Polymer Science</i> , 2012, 124, 873-877.	1.3	11
16	Magnetically driven vertical alignment of liquid crystals by ferromagnetic particles. <i>Liquid Crystals</i> , 2015, 42, 233-239.	0.9	11
17	Characteristics of di- and tri-block copolymers: polymer disperse liquid crystal display. <i>Journal of Modern Optics</i> , 2014, 61, 1027-1032.	0.6	9
18	New developments in the dye-doped polymer dispersed liquid crystals gratings: A review. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 659-668.	0.9	9

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19	Advancement trends in dye-doped polymer dispersed liquid crystals—a survey review. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 648, 88-113.	0.4	9
20	Chiral dimesogenic compounds having cholesterol and 4-(trans-4-n-hexylcyclohexyl)benzoic acid moieties. <i>Materials Letters</i> , 2008, 62, 3284-3287.	1.3	8
21	Simulation study using GEANT4 Monte Carlo code for a Gd-coated resistive plate chamber as a thermal neutron detector. <i>Radiation Measurements</i> , 2010, 45, 840-843.	0.7	8
22	Physicochemical properties of long-hydrocarbon-chain-silane-coated indium tin oxide glass for reverse-mode polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , 2015, 42, 473-480.	0.9	8
23	Study of polymer dispersed liquid crystal film based on amphiphilic polymer matrix. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3394-S3401.	2.3	8
24	Graphene-based polymer dispersed liquid crystals display- an overview. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 669, 46-60.	0.4	8
25	Investigation of Solid-State Photomultipliers for Positron Emission Tomography Scanners. <i>Journal of the Korean Physical Society</i> , 2007, 50, 1332.	0.3	8
26	Characterization of polystyrene- <i>b</i> -poly(ethylene oxide) diblock copolymer and investigation of its micellization behavior in water. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1704-1712.	1.3	7
27	GEANT4 Monte Carlo simulation response of parallel plate avalanche counter for fast neutrons detection. <i>Radiation Measurements</i> , 2012, 47, 277-280.	0.7	7
28	Surfactant-doped reverse-mode polymer-dispersed liquid crystal display with enhanced properties. <i>Liquid Crystals</i> , 2016, 43, 162-167.	0.9	7
29	Alteration of glass surface via polyvinyl butyral (PVB) layer for reverse mode polymer dispersed liquid crystal (R-PDLC) display. <i>Phase Transitions</i> , 2017, 90, 873-881.	0.6	6
30	Simulation results on a resistive plate chamber for a bakelite thickness of 1mm up to 3mm. <i>Review of Scientific Instruments</i> , 2005, 76, 073301.	0.6	5
31	The effect of voltage controlled orientation order of liquid crystals in non-acrylic polymer dispersed liquid crystals films. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1115-1120.	1.3	5
32	Tunable Martensitic Transformation and Magnetic Properties of Sm-Doped NiMnSn Ferromagnetic Shape Memory Alloys. <i>Crystals</i> , 2021, 11, 1115.	1.0	5
33	GEANT4 MC simulation results of the MRPC for neutrons in the energy range of 10 ⁻¹ ~10MeV E_n <math>< 1.0</math> GeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 045004.	1.4	4
34	Rotational viscosity calculation method for liquid crystal mixture using molecular dynamics. <i>Journal of Information Display</i> , 2011, 12, 135-139.	2.1	4
35	Advances in the display quality of dye-doped polymer-dispersed liquid crystal films by addition of disc-shaped multidirectional light-control film. <i>Journal of Modern Optics</i> , 2017, 64, 2179-2184.	0.6	4
36	GEANT4 simulation of gamma ray in a double-gap resistive plate chamber. <i>Chinese Physics B</i> , 2006, 15, 108-115.	1.3	3

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37	Gamma ray background radiation for glass electrode RPCs in the CMS/LHC environment, estimation approach with GEANT4 Monte Carlo simulation packages. <i>Physica Scripta</i> , 2007, 75, 103-110.	1.2	3
38	Simulation of the neutron response of a glass-resistive plate chamber in the energy range 10^{-2} – 10^2 MeV. <i>Physica Scripta</i> , 2007, 76, 287-293.	1.2	3
39	Simulation response of single gap RPC studies for neutrons using GEANT4 Monte Carlo codes. <i>Radiation Measurements</i> , 2008, 43, 1554-1557.	0.7	3
40	Investigating the Calculation of Rotational Viscosity of the Mixture Comprising Different Kinds of Liquid Crystals: Molecular Dynamics Computer Simulation Approach. <i>Chinese Journal of Chemistry</i> , 2011, 29, 48-52.	2.6	3
41	Thermal neutron response of a boron-coated GEM detector via GEANT4 Monte Carlo code. <i>Applied Radiation and Isotopes</i> , 2015, 95, 90-93.	0.7	3
42	Transitions of bipolar to radial orientation of liquid crystal droplets in amphiphilic system of PDLC film. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1325-1329.	1.3	3
43	The Improvement of Polymerization Characteristics for Reflective Dye-Doped Polymer Dispersed Liquid Crystal (PDLC) Display. <i>Advanced Science Letters</i> , 2012, 18, 225-229.	0.2	3
44	Simulation Response of a Multi-Gap Resistive Plate Chamber to Gamma-rays of 0.007 MeV < E < 1.0 GeV. <i>Journal of the Korean Physical Society</i> , 2009, 54, 7-12.	0.3	3
45	Single-gap RPC Monte Carlo simulation studies of photons. <i>Physica Scripta</i> , 2007, 75, 431-435.	1.2	2
46	A comparative simulation study on three lattice systems for the phase separation of polymer-dispersed liquid crystals. <i>Pramana - Journal of Physics</i> , 2008, 71, 559-572.	0.9	2
47	Simulation response of B4C-coated PPAC for thermal neutrons using GEANT4 Monte Carlo approach. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 718, 240-242.	0.7	2
48	Thermal neutron simulation response of GEM-based detectors with the FLUKA-MC package. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 60, 71-77.	2.5	2
49	Pluronic polymer crosslinked with thio-ene in polymer dispersed liquid crystal films. <i>Revue Roumaine De Chimie</i> , 2019, 64, 625-631.	0.4	2
50	Study of neutron sensitivity in CMSâ€“RPC using MC simulation for two different setups. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 556, 192-196.	0.7	1
51	Response of resistive plate chamber to e^+e^- at $E < 100$ MeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 2099-2107.	1.4	1
52	Background neutron in the endcap and barrel regions of resistive plate chamber for compact muon solenoid/large hadron collider using GEANT4. <i>Pramana - Journal of Physics</i> , 2007, 69, 377-386.	0.9	1
53	A Monte Carlo simulation approach to glass-resistive plate chamber response to. <i>Radiation Measurements</i> , 2007, 42, 1545-1551.	0.7	1
54	Gamma sensitivity simulation for glass-resistive plate chamber using GEANT3.21 MC code. <i>Radiation Measurements</i> , 2007, 42, 1368-1372.	0.7	1

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55	Simulation study on gamma-ray sensitivity of low-resistive phosphate glass electrode RPC using GEANT4 MC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 166-168.	0.7	1
56	A simulation study of the e^+ / e^- sensitivity of a low resistive phosphate glass electrode in a RPC using GEANT MC. Chinese Physics C, 2010, 34, 359-362.	1.5	1
57	New Simulation Results of Multigap- RPC for Positrons and Electrons using GEANT4 MC. Journal of the Korean Physical Society, 2009, 55, 1701-1706.	0.3	1
58	Soil potential in physicochemical properties and its impacts on sustainable land planning, Neelum River Basin, AJK, Pakistan. International Journal of Environmental Science and Technology, 0, , 1.	1.8	1
59	Effect of GaN Surface Treatment on the Morphological and Optoelectronic Response of Violet Light Emitting Diodes. Materials Research Society Symposia Proceedings, 2004, 831, 305.	0.1	0
60	Gamma Background Simulation for the RPC Endcap and Barrel regions of CMS/LHC using GEANT4. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 123-126.	0.5	0
61	The Revival Role of Nuclear Emulsion Detectors in the OPERA Experiment. Acta Physica Hungarica A Heavy Ion Physics, 2006, 25, 89-96.	0.4	0
62	Simulation on the response of new phosphate glass RPC for \hat{I}^3 -rays and e^+/e^- particles using GEANT3. Open Physics, 2008, 6, .	0.8	0
63	Study of neutron response for two hybrid RPC setups using the GEANT4 MC simulation approach. Chinese Physics C, 2009, 33, 887-891.	1.5	0
64	Simulation estimation of RB1 station's sensitivities and hit rates for e^+/e^- particles by RPCs. Physica Scripta, 2009, 80, 068001.	1.2	0
65	Recent simulation results on neutron sensitivity of new low-resistive phosphate glass electrode RPC using GEANT4 MC. Journal of Instrumentation, 2011, 6, C01063-C01063.	0.5	0
66	Monte carlo simulation of the response to fast neutrons of a multi-gap RPC (MRPC) by using the GEANT4 code. Journal of the Korean Physical Society, 2012, 60, 1023-1027.	0.3	0
67	First GEANT4-based simulation investigation of a Li-coated resistive plate chamber for low-energy neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 237-239.	0.7	0
68	A study of Gd-based parallel plate avalanche counter for thermal neutrons by MC simulation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 233-236.	0.7	0
69	Simulation response of He-3 filled proportional counter for thermal neutrons. , 2013, , .		0
70	A simulation study on angular and micro pattern effects in GEM detectors. Applied Radiation and Isotopes, 2016, 110, 64-69.	0.7	0
71	Investigation of glass-built multigap-RPC simulation response to gamma-rays up to an energy range of 1.0 GeV using GEANT4 Monte Carlo code. African Journal of Business Management, 2011, 6, .	0.4	0