

V Ponnusamy

List of Publications by Year in descending order

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papers

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567281

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all docs

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docs citations

29
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of mineralogical and heavy metal composition on natural radionuclide concentrations in the river sediments. Applied Radiation and Isotopes, 2011, 69, 1466-1474.	1.5	243
2	Horizontal and vertical characterization of radionuclides and minerals in river sediments. Applied Radiation and Isotopes, 2011, 69, 184-195.	1.5	122
3	Depth wise analysis of recently excavated Vellar river sediments through FTIR and XRD studies. Indian Journal of Physics, 2009, 83, 1295-1308.	1.8	66
4	A relationship between the natural radioactivity and mineralogical composition of the Ponnaiyar river sediments, India. Journal of Environmental Radioactivity, 2011, 102, 370-377.	1.7	61
5	Ternary type BaY ₂ ZnO ₅ : Eu ³⁺ deep-red phosphor for possible latent fingerprint, security ink and WLED applications. Ceramics International, 2022, 48, 10-21.	4.8	50
6	Luminescence in CaSO ₄ : Dy phosphor - dependence on grain agglomeration, sintering temperature, sieving and washing. Journal Physics D: Applied Physics, 2002, 35, 386-396.	2.8	41
7	Dosimetric properties of rare earth doped LiCaBO ₃ thermoluminescence phosphors. Journal of Luminescence, 2010, 130, 1834-1840.	3.1	40
8	A development of new red phosphor based on europium doped as well as substituted Barium Lanthanum Aluminate (BaLaAlO ₄ : Eu ³⁺). Optical Materials, 2019, 90, 127-138.	3.6	34
9	Natural radioactivity measurements in beach-rock samples of south-east coast of Tamilnadu, India. Radiation Protection Dosimetry, 2004, 111, 229-235.	0.8	29
10	A new perovskite type Ba ₂ YZrO ₆ : Eu ³⁺ red phosphor with cubical morphology for WLEDs applications. Journal of Luminescence, 2020, 227, 117561.	3.1	27
11	Development of novel Na ₂ Mg ₃ Zn ₂ Si ₁₂ O ₃₀ :Eu ³⁺ red phosphor for white light emitting diodes. Optical Materials, 2019, 96, 109350.	3.6	23
12	Synthesis and photoluminescence properties of Sm ³⁺ doped YAl ₃ (BO ₃) ₄ phosphor. Luminescence, 2014, 29, 649-656.	2.9	22
13	Analysis on air suspended particles of Coimbatore - a FTIR study. Indian Journal of Physics, 2009, 83, 301-312.	1.8	21
14	Effect of annealing in thermostimulated luminescence (TSL) on natural blue colour calcite crystals. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 611-620.	1.4	16
15	Synthesis Of Monodispersed Barium Sulphate Nanoparticles Using Water-benzene Mixed Solvent. Advanced Materials Letters, 2012, 3, 29-33.	0.6	16
16	A highly intense double perovskite BaSrYZrO _{5.5} : Eu ³⁺ phosphor for latent fingerprint and security ink applications. Ceramics International, 2023, 49, 7223-7235.	4.8	16
17	Role of monovalent co-dopants on the PL emission properties of YAl ₃ (BO ₃) ₄ :Ce ³⁺ phosphor. Journal of Rare Earths, 2014, 32, 927-932.	4.8	13
18	Environmental radiation and potential ecological risk levels in the intertidal zone of southern region of Tamil Nadu coast (HBRAs), India. Marine Pollution Bulletin, 2018, 127, 377-386.	5.0	13

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19	Electron-Trap model: TL mechanism in BaSO ₄ nanophosphor – A new approach. Journal of Luminescence, 2013, 134, 791-797.	3.1	11
20	Phase formation and photoluminescence properties of Sm ³⁺ doped Al ₅ BO ₉ phosphor. Optik, 2015, 126, 1224-1227.	2.9	10
21	Depth-wise distribution of ²³⁸ U, ²³² Th and ⁴⁰ K in sand samples of high background radiation areas (Tamilnadu coast), India. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1875-1881.	1.5	8
22	Synthesis and emission properties of Y ₂ Si ₂ O ₇ :Eu ³⁺ phosphor. Materials Research Innovations, 2019, 23, 402-406.	2.3	8
23	Effect of annealing on natural calcitic crystals – A thermostimulated luminescence (TSL) study. Journal of Luminescence, 2012, 132, 1063-1075.	3.1	7
24	Mineralogical role on natural radioactivity content in the intertidal sands of Tamilnadu coast (HBRAs region), India. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 949-959.	1.5	7
25	Thermostimulated luminescence characteristics of dolomitic rocks and their use as a gamma ray dosimeter. Radiation Measurements, 2009, 44, 351-358.	1.4	4
26	Structural and optical properties of a new Milarite type Na ₃ Mg ₄ LiSi ₁₂ O ₃₀ :Eu ³⁺ phosphor. Luminescence, 2022, 37, 1639-1656.	2.9	4
27	Mineralogical and Thermoluminescence Characterizations of the River Sediments from Tamilnadu, India. Natural Resources Research, 2011, 20, 389-399.	4.7	3
28	Investigation on natural radiation level and its hazardous nature of river sediments using ¹³⁷ I-ray spectroscopy. Radiochemistry, 2011, 53, 87-96.	0.7	1
29	Magnetic Susceptibility and Radiological Hazardous Nature of the River Sediments - Spectroscopical Approach. Acta Physica Polonica A, 2010, 118, 701-711.	0.5	1