

V Ponnusamy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A highly intense double perovskite BaSrYZrO _{5.5} : Eu ³⁺ phosphor for latent fingerprint and security ink applications. <i>Ceramics International</i> , 2023, 49, 7223-7235.	4.8	16
2	Ternary type BaY ₂ ZnO ₅ : Eu ³⁺ deep-red phosphor for possible latent fingerprint, security ink and WLED applications. <i>Ceramics International</i> , 2022, 48, 10-21.	4.8	50
3	Structural and optical properties of a new Milarite type Na ₃ Mg ₄ LiSi ₁₂ O ₃₀ :Eu ³⁺ phosphor. <i>Luminescence</i> , 2022, 37, 1639-1656.	2.9	4
4	A new perovskite type Ba ₂ YZrO ₆ : Eu ³⁺ red phosphor with cubical morphology for WLEDs applications. <i>Journal of Luminescence</i> , 2020, 227, 117561.	3.1	27
5	Synthesis and emission properties of Y ₂ Si ₂ O ₇ :Eu ³⁺ phosphor. <i>Materials Research Innovations</i> , 2019, 23, 402-406.	2.3	8
6	Development of novel Na ₂ Mg ₃ Zn ₂ Si ₁₂ O ₃₀ :Eu ³⁺ red phosphor for white light emitting diodes. <i>Optical Materials</i> , 2019, 96, 109350.	3.6	23
7	A development of new red phosphor based on europium doped as well as substituted Barium Lanthanum Aluminate (BaLaAlO ₄ : Eu ³⁺). <i>Optical Materials</i> , 2019, 90, 127-138.	3.6	34
8	Environmental radiation and potential ecological risk levels in the intertidal zone of southern region of Tamil Nadu coast (HBRAs), India. <i>Marine Pollution Bulletin</i> , 2018, 127, 377-386.	5.0	13
9	Depth-wise distribution of ²³⁸ U, ²³² Th and ⁴⁰ K in sand samples of high background radiation areas (Tamilnadu coast), India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 1875-1881.	1.5	8
10	Mineralogical role on natural radioactivity content in the intertidal sands of Tamilnadu coast (HBRAs region), India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 949-959.	1.5	7
11	Phase formation and photoluminescence properties of Sm ³⁺ doped Al ₅ BO ₉ phosphor. <i>Optik</i> , 2015, 126, 1224-1227.	2.9	10
12	Synthesis and photoluminescence properties of Sm ³⁺ doped YAl ₃ (BO ₃) ₄ phosphor. <i>Luminescence</i> , 2014, 29, 649-656.	2.9	22
13	Role of monovalent co-dopants on the PL emission properties of YAl ₃ (BO ₃) ₄ :Ce ³⁺ phosphor. <i>Journal of Rare Earths</i> , 2014, 32, 927-932.	4.8	13
14	Electron-Trap model: TL mechanism in BaSO ₄ nanophosphor—A new approach. <i>Journal of Luminescence</i> , 2013, 134, 791-797.	3.1	11
15	Synthesis Of Monodispersed Barium Sulphate Nanoparticles Using Water-benzene Mixed Solvent. <i>Advanced Materials Letters</i> , 2012, 3, 29-33.	0.6	16
16	Effect of annealing on natural calcitic crystals—A thermostimulated luminescence (TSL) study. <i>Journal of Luminescence</i> , 2012, 132, 1063-1075.	3.1	7
17	Investigation on natural radiation level and its hazardous nature of river sediments using ¹³⁷ I ⁻ spectroscopy. <i>Radiochemistry</i> , 2011, 53, 87-96.	0.7	1
18	Mineralogical and Thermoluminescence Characterizations of the River Sediments from Tamilnadu, India. <i>Natural Resources Research</i> , 2011, 20, 389-399.	4.7	3

#	ARTICLE	IF	CITATIONS
19	Horizontal and vertical characterization of radionuclides and minerals in river sediments. Applied Radiation and Isotopes, 2011, 69, 184-195.	1.5	122
20	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
21	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
22	Dosimetric properties of rare earth doped LiCaBO ₃ thermoluminescence phosphors. Journal of Luminescence, 2010, 130, 1834-1840.	3.1	40
23	Magnetic Susceptibility and Radiological Hazardous Nature of the River Sediments - Spectroscopical Approach. Acta Physica Polonica A, 2010, 118, 701-711.	0.5	1
24	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
25	Analysis on air suspended particles of Coimbatore " a FTIR study. Indian Journal of Physics, 2009, 83, 301-312.	1.8	21
26	Thermostimulated luminescence characteristics of dolomitic rocks and their use as a gamma ray dosimeter. Radiation Measurements, 2009, 44, 351-358.	1.4	4
27	Natural radioactivity measurements in beach-rock samples of south-east coast of Tamilnadu, India. Radiation Protection Dosimetry, 2004, 111, 229-235.	0.8	29
28	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
29	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