

Subodh Ganesanpotti

List of Publications by Year in descending order

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77
papers

1,850
citations

236833

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h-index

302012

39
g-index

88
all docs

88
docs citations

88
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Distortion and energy transfer assisted tunability in garnet phosphors. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 621-664.	6.8	23
2	Vibrationally Induced Photophysical Response of $\text{Sr}_{2-x}\text{NaMg}_2\text{V}_3\text{O}_{12}:\text{Eu}^{3+}$ for Dual-Mode Temperature Sensing and Safety Signs. Advanced Photonics Research, 2022, 3, 2100159.	1.7	15
3	Deciphering crystal structure and photophysical response of Bi^{3+} and Pr^{3+} co-doped $\text{Li}_3\text{Gd}_3\text{Te}_2\text{O}_{12}$ for lighting and ratiometric temperature sensing. Journal of Alloys and Compounds, 2022, 893, 162246.	2.8	7
4	The smallest anions, induced porosity and graphene interfaces in $\text{C}_{12}\text{A}_7:\text{e}^{-}$ electrides: a paradigm shift in electromagnetic absorbers and shielding materials. Journal of Materials Chemistry C, 2022, 10, 969-982.	2.7	10
5	Probing the multifunctionality of double layered perovskite $\text{NaGdMgTeO}_6:\text{Eu}^{3+}$ in ratiometric phosphor thermometry and solid-state lighting. Journal of Alloys and Compounds, 2022, 905, 164138.	2.8	20
6	Silicone Rubber- BaBiLiTeO_6 Composites: Flexible Microwave Substrates for 5G Applications. Journal of Electronic Materials, 2022, 51, 3237-3247.	1.0	5
7	Insights into the crystal structure and photophysical response of Dy^{3+} doped $\text{Li}_3\text{Y}_3\text{Te}_2\text{O}_{12}$ for ratiometric temperature sensing. Journal of Science: Advanced Materials and Devices, 2022, 7, 100444.	1.5	3
8	$\text{MgFe}_{1.98}\text{O}_4 \text{ @ } \text{BaFe}_{12}\text{O}_{19}$ magneto-dielectric composites based ferrite resonator antenna for super-high frequency applications. Ceramics International, 2022, 48, 24531-24539.	2.3	6
9	Garnet mineral reinforced silicone rubber based composites for flexible microwave substrates. Materials Research Bulletin, 2022, 153, 111879.	2.7	3
10	Room temperature Near-IR photoluminescence from ethylenediamine assisted solvo-hydrothermally grown wurtzite $\text{ZnS}:\text{Nd}_2\text{O}_3$ system. Materials Chemistry and Physics, 2021, 257, 123713.	2.0	0
11	Distortion induced structural characteristics of $\text{Ba}_2\text{R}_{2/3}\text{TeO}_6$ (R = Tj, ET, Q, l) for lighting and ratiometric temperature sensing. Materials Advances, 2021, 2, 1328-1342.	2.6	24
12	Magnetodielectric response of composites based on a natural garnet and spinel ferrites for sub-GHz wireless applications. Ceramics International, 2021, 47, 21404-21413.	2.3	2
13	Cold Sintering: An Energy-Efficient Process for the Development of $\text{SrFe}_{12}\text{O}_{19} \text{ @ } \text{Li}_2\text{MoO}_4$ Composite-Based Wide-Bandwidth Ferrite Resonator Antenna for Ku-Band Applications. ACS Applied Electronic Materials, 2021, 3, 2297-2308.	2.0	21
14	Crystal structure and phonon modes of disorder induced $\text{Ba}_2\text{Li}_{1-x}\text{Te}_{1+x}\text{O}_{5.5}$ ($x = 0, 0.1, 0.2$) double perovskite based microwave dielectrics. Materials Research Bulletin, 2021, 137, 111190.	2.7	2
15	Insights Into the Microstructure and Dielectric Properties of Cold Sintered $\text{NaCa}_2\text{Mg}_2\text{V}_3\text{O}_{12}$ Based Composites. Frontiers in Materials, 2021, 8, .	1.2	4
16	Insights into the crystal structure and multifunctional optical properties of A_2CdTeO_6 (A=Ba, Sr, Ca) double perovskites. Journal of Alloys and Compounds, 2021, 865, 158902.	2.8	16
17	Deep-Red-Emitting $\text{SrLaLiTeO}_6:\text{Mn}^{4+}$ double perovskites: Correlation between $\text{Mn}^{4+} \text{ @ } \text{O}^{2-}$ bonding and photoluminescence. Journal of the American Ceramic Society, 2021, 104, 5293-5306.	1.9	27
18	Green Route for the Synthesis of Fluorescent Carbon Nanoparticles from Circassian Seeds for Fe(III) Ion Detection. Journal of Fluorescence, 2021, 31, 1323-1332.	1.3	4

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19	Synergy-induced tunable electromagnetic response and enhanced shielding efficiency in carbon black- and carbonyl iron-reinforced polydimethylsiloxane composites. <i>Materials Research Bulletin</i> , 2021, 142, 111415.	2.7	6
20	Influence of Li ₂ MoO ₄ and polytetrafluoroethylene addition on the cold sintering process and dielectric properties of BaBiLiTeO ₆ ceramics. <i>Ceramics International</i> , 2021, 47, 30756-30763.	2.3	14
21	Broadband Electromagnetic Response and Enhanced Microwave Absorption in Carbon Black and Magnetic Fe ₃ O ₄ Nanoparticles Reinforced Polyvinylidene fluoride Composites. <i>Journal of Electronic Materials</i> , 2020, 49, 1666-1676.	1.0	38
22	Garnet mineral based composites through cold sintering process: Microstructure and dielectric properties. <i>Journal of the European Ceramic Society</i> , 2020, 40, 371-375.	2.8	27
23	Crystal structure, phonon modes, and bond characteristics of AgPb ₂ B ₂ V ₃ O ₁₂ (B ^A =Mg, Zn) microwave ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3157-3167.	1.9	50
24	Influence of B ₂ O ₃ on the Broadband Electromagnetic Response of MgFe _{1.98} O ₄ Ceramics. <i>Journal of Electronic Materials</i> , 2020, 49, 7316-7324.	1.0	1
25	Broadband dielectric response of polyvinylidene fluoride reinforced with carbon nanostructures synthesized from the pith of tapioca stem. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
26	Fabrication of high quality factor cold sintered MgTiO ₃ NaCl microwave ceramic composites. <i>Materials Chemistry and Physics</i> , 2020, 255, 123636.	2.0	16
27	Green synthesis of blue-fluorescent carbon nanospheres from the pith of tapioca (<i>Manihot esculenta</i>) stem for Fe(III) detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21767-21778.	1.1	10
28	Zinc Phthalocyanine-Poly (Vinyl Alcohol) nanocomposite films: Low threshold optical limiting properties based on third-order nonlinear absorption response. <i>Optics and Laser Technology</i> , 2020, 127, 106168.	2.2	15
29	Crystal structure, microstructure, and broadband electromagnetic response of Al ³⁺ -substituted Sr ₃ YCo ₄ O ₁₀ +f' double perovskites. <i>Ceramics International</i> , 2020, 46, 25683-25690.	2.3	2
30	Novel self-activated Na ₂ BiMgZnV ₃ O ₁₂ Yellow-Green phosphor for N-UV excited WLEDs. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
31	A simple strategy for flexible electromagnetic interference shielding: Hybrid rGO@CB-Reinforced polydimethylsiloxane. <i>Journal of Alloys and Compounds</i> , 2019, 807, 151678.	2.8	32
32	Vibrational studies and microwave dielectric properties of Ca ₃ Te ₂ Zn ₃ O ₁₂ ceramic with garnet structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18936-18942.	1.1	6
33	Room-Temperature Ferromagnetic Sr ₃ YCo ₄ O ₁₀ +f' and Carbon Black-Reinforced Polyvinylidene fluoride Composites toward High-Performance Electromagnetic Interference Shielding. <i>ACS Omega</i> , 2019, 4, 8196-8206.	1.6	31
34	Insights into the structure, photoluminescence and Judd-Ofelt analysis of red emitting SrLaLiTeO ₆ : Eu ³⁺ phosphors. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1300-1308.	2.8	53
35	Zinc oxide encapsulated poly (vinyl alcohol) nanocomposite films as an efficient third-order nonlinear optical material: Structure, microstructure, emission and intense low threshold optical limiting properties. <i>Materials Research Bulletin</i> , 2019, 112, 281-291.	2.7	27
36	Emission features, surface morphology and optical limiting properties of semiconducting Toluidine Blue O dye-poly(vinyl alcohol) nanocomposite architecture. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	7

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37	Influence of Bi Substitution on the Microstructure and Dielectric Properties of Gd ₃ Fe ₅ O ₁₂ Ceramics. <i>Journal of Electronic Materials</i> , 2019, 48, 1133-1138.	1.0	10
38	Crystal structure, phonon modes and dielectric properties of B site ordered ABiLiTeO ₆ (A = Ba, Sr) double perovskites. <i>Ceramics International</i> , 2018, 44, 12036-12041.	2.3	13
39	Structural Characterization of B-Site Ordered Ba ₂ Ln _{2/3} TeO ₆ (Ln) Tj ETQq1 1 0.784314 rgBT / Phosphor Hosts. <i>Inorganic Chemistry</i> , 2018, 57, 6226-6236.	1.9	41
40	Crystal structure and microwave dielectric properties of NaPb ₂ B ₂ V ₃ O ₁₂ (B=Mg, Zn) ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4962-4966.	2.8	37
41	Natural garnet reinforced high density polyethylene composites for sustainable microwave substrates. <i>Materials Research Bulletin</i> , 2018, 106, 478-484.	2.7	20
42	Crystal Structure and Luminescence Properties of Rare Earth Doped Ba ₂ Bi _{2/3} TeO ₆ Double Perovskites. <i>Materials Today: Proceedings</i> , 2017, 4, 4396-4402.	0.9	12
43	Crystal structure and optical properties of B site-ordered ALaLiTeO ₆ (A = Ba, Sr) ceramics. <i>Materials Research Bulletin</i> , 2017, 93, 177-182.	2.7	41
44	Structural and Microstructural Correlations of Physical Properties in Natural Almandine-Pyrope Solid Solution: Al ₇₀ Py ₂₉ . <i>Journal of Electronic Materials</i> , 2017, 46, 6947-6956.	1.0	13
45	Crystal structure and dielectric properties of BaANaTeO ₆ (A = Bi, La) double perovskites. <i>Ceramics International</i> , 2017, 43, 12718-12723.	2.3	16
46	Rare earth titanate-silicates for high k gate dielectric applications. <i>Ceramics International</i> , 2016, 42, 10886-10891.	2.3	2
47	Superconductivity in LaPd ₂ As ₂ with a collapsed 122 structure. <i>Journal of Alloys and Compounds</i> , 2014, 613, 370-374.	2.8	12
48	A novel Sr ₃ Pb ₆ Ce ₂ Ti ₁₂ O ₃₆ ferroelectric thin film grown by pulsed laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 199-206.	1.1	2
49	Charge Disproportionation and Magnetoresistivity in a Double Perovskite with Alternate Fe ⁴⁺ and Mn ⁴⁺ Layers. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2576-2581.	1.0	8
50	LaPd ₂ Sb ₂ : A pnictide superconductor with CaBe ₂ Ge ₂ type structure. <i>Journal of Alloys and Compounds</i> , 2014, 583, 151-154.	2.8	23
51	Sr ₂ FeO ₃ with Stacked Infinite Chains of FeO ₄ Square Planes. <i>Inorganic Chemistry</i> , 2013, 52, 6096-6102.	1.9	35
52	Microwave dielectric properties of flexible butyl rubber-styrene copolymer/strontium cerium titanate composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3426-3433.	1.3	17
53	Piezoelectric and ferroelectric properties of new Pb ₉ Ce ₂ Ti ₁₂ O ₃₆ and lead-free Ba ₂ Nd ₂ Nb ₃ O ₁₅ ceramics. <i>Journal of Electroceramics</i> , 2010, 25, 116-121.	0.8	3
54	Vibrational spectroscopic study of Sr ₂ ZnTeO ₆ double perovskites. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 702-706.	1.2	35

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55	Structure, Microstructure, and Microwave Dielectric Properties of $(\text{Sr}_{1-x}\text{Ca}_x)(\text{MgTe})\text{O}_6$ Double Perovskites. Chemistry of Materials, 2010, 22, 4572-4578.	3.2	22
56	Dielectric response of high permittivity polymer ceramic composite with low loss tangent. Applied Physics Letters, 2009, 95, .	1.5	116
57	Dielectric response of $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{15}$ ceramics reinforced high density polyethylene. Journal Physics D: Applied Physics, 2009, 42, 225501.	1.3	14
58	Microwave and infrared dielectric properties of $\text{Sr}_{1-x}\text{Ca}_x/2\text{Ce}_x\text{Ti}_3$ ($x = 0.154\text{--}0.400$) incipient ferroelectrics at cryogenic temperatures. Journal Physics D: Applied Physics, 2009, 42, 075411.	1.3	19
59	Polystyrene/ $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{15}$ composites with low dielectric loss for microwave substrate applications. Polymer Engineering and Science, 2009, 49, 1218-1224.	1.5	38
60	Tape Casting and Dielectric Properties of $\text{Zn}_2\text{Te}_3\text{O}_8$ -Based Ceramics with an Ultra-Low Sintering Temperature. International Journal of Applied Ceramic Technology, 2009, 6, 531-536.	1.1	25
61	Crystal Structure of $\text{Sr}_{0.4}\text{Ce}_{0.4}\text{TiO}_3$ Ceramics. Chemistry of Materials, 2009, 21, 4706-4710.	3.2	22
62	The prediction of lattice constants in orthorhombic perovskites. Journal of Alloys and Compounds, 2009, 488, 374-379.	2.8	52
63	Ferroelectric and Incipient Ferroelectric Properties of a Novel $\text{Sr}_{9-x}\text{Pb}_x\text{Ce}_2\text{Ti}_2\text{O}_{36}$ ($x = 0\text{--}9$) Ceramic System. Chemistry of Materials, 2009, 21, 811-819.	3.2	16
64	$\text{Ca}_4\text{La}_2\text{Ti}_5\text{O}_{17}$: a novel low loss dielectric ceramics in the $\text{CaO--La}_2\text{O}_3\text{--TiO}_2$ system. Journal of Materials Science: Materials in Electronics, 2008, 19, 1153-1155.	1.1	13
65	Thermal properties of polytetrafluoroethylene/ $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{16}$ polymer/ceramic composites. Journal of Applied Polymer Science, 2008, 108, 1716-1721.	1.3	48
66	Vibrational Studies and Microwave Dielectric Properties of A-Site-Substituted Tellurium-Based Double Perovskites. Chemistry of Materials, 2008, 20, 4347-4355.	3.2	73
67	Polyethylene-ceramic composites for electronic packaging applications. , 2008, , .		1
68	Structure of Compounds in the $\text{Sr}_{1-x}\text{Ca}_x/2\text{Ce}_x\text{Ti}_3$ Homologous Series. Chemistry of Materials, 2008, 20, 3127-3133.	3.2	31
69	Microwave dielectric properties and vibrational spectroscopic analysis of MgTe_2O_5 ceramics. Journal of Materials Research, 2008, 23, 1551-1556.	1.2	38
70	Microwave Dielectric Properties of ATe_3O_8 (A = Sn, Zr) Ceramics. Japanese Journal of Applied Physics, 2008, 47, 7943.	0.8	19
71	Microwave Characterisation of MgTe_2O_5 using quasi TE _{0np} Mode Dielectric Resonator Technique. , 2007, , .		0
72	Structure and Microwave Dielectric Properties of $\text{Sr}_{2+n}\text{Ce}_2\text{Ti}_{5+n}\text{O}_{15+3n}$ ($n \leq 10$) Homologous Series. Chemistry of Materials, 2007, 19, 4077-4082.	3.2	71

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73	Optical Phonon Modes and Dielectric Behavior of $\text{Sr}^{1/2}\text{Ce}^{1/2}\text{TiO}_3$ Microwave Ceramics. Chemistry of Materials, 2007, 19, 6548-6554.	3.2	55
74	Microwave dielectric properties of $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{16}$ ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 136, 50-56.	1.7	32
75	PTFE/ $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{16}$ polymer ceramic composites for electronic packaging applications. Journal of the European Ceramic Society, 2007, 27, 3039-3044.	2.8	67
76	Glass-Free $\text{Zn}_2\text{Te}_3\text{O}_8$ Microwave Ceramic for LTCC Applications. Journal of the American Ceramic Society, 2007, 90, 2266-2268.	1.9	110
77	Low Dielectric Loss Polytetrafluoroethylene/ TeO_2 Polymer Ceramic Composites. Journal of the American Ceramic Society, 2007, 90, 3507-3511.	1.9	81