

# Subodh Ganesanpotti

## List of Publications by Year in descending order

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77  
papers

1,850  
citations

236833

25  
h-index

302012

39  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric response of high permittivity polymer ceramic composite with low loss tangent. Applied Physics Letters, 2009, 95, .	1.5	116
2	Glass-Free Zn <sub>2</sub> Te <sub>3</sub> O <sub>8</sub> Microwave Ceramic for LTCC Applications. Journal of the American Ceramic Society, 2007, 90, 2266-2268.	1.9	110
3	Low Dielectric Loss Polytetrafluoroethylene/TeO <sub>2</sub> Polymer Ceramic Composites. Journal of the American Ceramic Society, 2007, 90, 3507-3511.	1.9	81
4	Vibrational Studies and Microwave Dielectric Properties of A-Site-Substituted Tellurium-Based Double Perovskites. Chemistry of Materials, 2008, 20, 4347-4355.	3.2	73
5	Structure and Microwave Dielectric Properties of Sr <sub>2+n</sub> Ce <sub>2</sub> Ti <sub>5+n</sub> O <sub>15+3n</sub> (n ≈ 10) Homologous Series. Chemistry of Materials, 2007, 19, 4077-4082.	3.2	71
6	PTFE/Sr <sub>2</sub> Ce <sub>2</sub> Ti <sub>5</sub> O <sub>16</sub> polymer ceramic composites for electronic packaging applications. Journal of the European Ceramic Society, 2007, 27, 3039-3044.	2.8	67
7	Optical Phonon Modes and Dielectric Behavior of Sr <sub>2</sub> Ce <sub>2</sub> Ti <sub>5</sub> O <sub>16</sub> Microwave Ceramics. Chemistry of Materials, 2007, 19, 6548-6554.	3.2	55
8	Insights into the structure, photoluminescence and Judd-Ofelt analysis of red emitting SrLaLiTeO <sub>6</sub> : Eu <sup>3+</sup> phosphors. Journal of Alloys and Compounds, 2019, 788, 1300-1308.	2.8	53
9	The prediction of lattice constants in orthorhombic perovskites. Journal of Alloys and Compounds, 2009, 488, 374-379.	2.8	52
10	Crystal structure, phonon modes, and bond characteristics of AgPb <sub>2</sub> B <sub>2</sub> V <sub>3</sub> O <sub>12</sub> (B = Mg, Zn) microwave ceramics. Journal of the American Ceramic Society, 2020, 103, 3157-3167.	1.9	50
11	Thermal properties of polytetrafluoroethylene/Sr <sub>2</sub> Ce <sub>2</sub> Ti <sub>5</sub> O <sub>16</sub> polymer/ceramic composites. Journal of Applied Polymer Science, 2008, 108, 1716-1721.	1.3	48
12	Crystal structure and optical properties of B site-ordered ALaLiTeO <sub>6</sub> (A = Ba, Sr) ceramics. Materials Research Bulletin, 2017, 93, 177-182.	2.7	41
13	Structural Characterization of B-Site Ordered Ba <sub>2</sub> Ln <sub>2/3</sub> TeO <sub>6</sub> (Ln) Tj ETQq1 1 0.784314 rgBT / Phosphor Hosts. Inorganic Chemistry, 2018, 57, 6226-6236.	1.9	41
14	Microwave dielectric properties and vibrational spectroscopic analysis of MgTe <sub>2</sub> O <sub>5</sub> ceramics. Journal of Materials Research, 2008, 23, 1551-1556.	1.2	38
15	Polystyrene/Sr <sub>2</sub> Ce <sub>2</sub> Ti <sub>5</sub> O <sub>15</sub> composites with low dielectric loss for microwave substrate applications. Polymer Engineering and Science, 2009, 49, 1218-1224.	1.5	38
16	Broadband Electromagnetic Response and Enhanced Microwave Absorption in Carbon Black and Magnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Reinforced Polyvinylidene fluoride Composites. Journal of Electronic Materials, 2020, 49, 1666-1676.	1.0	38
17	Crystal structure and microwave dielectric properties of NaPb <sub>2</sub> B <sub>2</sub> V <sub>3</sub> O <sub>12</sub> (B = Mg, Zn) ceramics. Journal of the European Ceramic Society, 2018, 38, 4962-4966.	2.8	37
18	Vibrational spectroscopic study of Sr <sub>2</sub> ZnTeO <sub>6</sub> double perovskites. Journal of Raman Spectroscopy, 2010, 41, 702-706.	1.2	35

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19	Sr <sub>2</sub> FeO <sub>3</sub> with Stacked Infinite Chains of FeO <sub>4</sub> Square Planes. <i>Inorganic Chemistry</i> , 2013, 52, 6096-6102.	1.9	35
20	Microwave dielectric properties of Sr <sub>2</sub> Ce <sub>2</sub> Ti <sub>5</sub> O <sub>16</sub> ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 136, 50-56.	1.7	32
21	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
22	Structure of Compounds in the Sr <sub>1-x/2</sub> Ce <sub>x</sub> TiO <sub>3</sub> Homologous Series. <i>Chemistry of Materials</i> , 2008, 20, 3127-3133.	3.2	31
23	Room-Temperature Ferromagnetic Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10</sub> and Carbon Black-Reinforced Polyvinylidene fluoride Composites toward High-Performance Electromagnetic Interference Shielding. <i>ACS Omega</i> , 2019, 4, 8196-8206.	1.6	31
24	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
25	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
26	Deep-red-emitting SrLaLiTeO <sub>6</sub> : Mn <sup>4+</sup> double perovskites: Correlation between Mn <sup>4+</sup> –O <sup>2-</sup> bonding and photoluminescence. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5293-5306.	1.9	27
27	Tape Casting and Dielectric Properties of Zn <sub>2</sub> Te <sub>3</sub> O <sub>8</sub> -Based Ceramics with an Ultra-Low Sintering Temperature. <i>International Journal of Applied Ceramic Technology</i> , 2009, 6, 531-536.	1.1	25
28	Distortion induced structural characteristics of Ba <sub>2</sub> R <sub>2/3</sub> TeO <sub>6</sub> (R = Tl, ET, Q, O) for lighting and radiometric temperature sensing. <i>Materials Advances</i> , 2021, 2, 1328-1342.	2.6	24
29	LaPd <sub>2</sub> Sb <sub>2</sub> : A pnictide superconductor with CaBe <sub>2</sub> Ge <sub>2</sub> type structure. <i>Journal of Alloys and Compounds</i> , 2014, 583, 151-154.	2.8	23
30	Distortion and energy transfer assisted tunability in garnet phosphors. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 621-664.	6.8	23
31	Crystal Structure of Sr <sub>0.4</sub> Ce <sub>0.4</sub> TiO <sub>3</sub> Ceramics. <i>Chemistry of Materials</i> , 2009, 21, 4706-4710.	3.2	22
32	Structure, Microstructure, and Microwave Dielectric Properties of (Sr <sub>2-x</sub> Ca <sub>x</sub> )(MgTe) <sub>6</sub> Double Perovskites. <i>Chemistry of Materials</i> , 2010, 22, 4572-4578.	3.2	22
33	Cold Sintering: An Energy-Efficient Process for the Development of SrFe <sub>12</sub> O <sub>19</sub> -Li <sub>2</sub> MoO <sub>4</sub> Composite-Based Wide-Bandwidth Ferrite Resonator Antenna for Ku-Band Applications. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2297-2308.	2.0	21
34	Natural garnet reinforced high density polyethylene composites for sustainable microwave substrates. <i>Materials Research Bulletin</i> , 2018, 106, 478-484.	2.7	20
35	Probing the multifunctionality of double layered perovskite NaGdMgTeO <sub>6</sub> :Eu <sup>3+</sup> in radiometric phosphor thermometry and solid-state lighting. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164138.	2.8	20
36	Microwave Dielectric Properties of ATe <sub>3</sub> O <sub>8</sub> (A = Sn, Zr) Ceramics. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 7943.	0.8	19

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37	Microwave and infrared dielectric properties of $\text{Sr}_{1-x}\text{Ce}_x\text{TiO}_3$ ( $x = 0.154\text{--}0.400$ ) incipient ferroelectrics at cryogenic temperatures. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 075411.	1.3	19
38	Microwave dielectric properties of flexible butyl rubber–strontium cerium titanate composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3426-3433.	1.3	17
39	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. <i>Chemistry of Materials</i> , 2009, 21, 811-819.	3.2	16
40	Crystal structure and dielectric properties of $\text{BaANaTeO}_6$ ( $A = \text{Bi, La}$ ) double perovskites. <i>Ceramics International</i> , 2017, 43, 12718-12723.	2.3	16
41	Fabrication of high quality factor cold sintered $\text{MgTiO}_3\text{--NaCl}$ microwave ceramic composites. <i>Materials Chemistry and Physics</i> , 2020, 255, 123636.	2.0	16
42	Insights into the crystal structure and multifunctional optical properties of $\text{A}_2\text{CdTeO}_6$ ( $A = \text{Ba, Sr, Ca}$ ) double perovskites. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158902.	2.8	16
43	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
44	Vibrationally Induced Photophysical Response of $\text{Sr}_2\text{NaMg}_2\text{VO}_{12}:\text{Eu}^{3+}$ for Dual-Mode Temperature Sensing and Safety Signs. <i>Advanced Photonics Research</i> , 2022, 3, 2100159.	1.7	15
45	Dielectric response of $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{15}$ ceramics reinforced high density polyethylene. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 225501.	1.3	14
46	Influence of $\text{Li}_2\text{MoO}_4$ and polytetrafluoroethylene addition on the cold sintering process and dielectric properties of $\text{BaBiLiTeO}_6$ ceramics. <i>Ceramics International</i> , 2021, 47, 30756-30763.	2.3	14
47	$\text{Ca}_4\text{La}_2\text{Ti}_5\text{O}_{17}$ : a novel low loss dielectric ceramics in the $\text{CaO--La}_2\text{O}_3\text{--TiO}_2$ system. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 1153-1155.	1.1	13
48	Structural and Microstructural Correlations of Physical Properties in Natural Almandine-Pyrope Solid Solution: $\text{Al}_7\text{O}_{29}$ . <i>Journal of Electronic Materials</i> , 2017, 46, 6947-6956.	1.0	13
49	Crystal structure, phonon modes and dielectric properties of B site ordered $\text{ABiLiTeO}_6$ ( $A = \text{Ba, Sr}$ ) double perovskites. <i>Ceramics International</i> , 2018, 44, 12036-12041.	2.3	13
50	Superconductivity in $\text{LaPd}_2\text{As}_2$ with a collapsed 122 structure. <i>Journal of Alloys and Compounds</i> , 2014, 613, 370-374.	2.8	12
51	Crystal Structure and Luminescence Properties of Rare Earth Doped $\text{Ba}_2\text{Bi}_{2/3}\text{TeO}_6$ Double Perovskites. <i>Materials Today: Proceedings</i> , 2017, 4, 4396-4402.	0.9	12
52	Influence of Bi Substitution on the Microstructure and Dielectric Properties of $\text{Gd}_3\text{Fe}_5\text{O}_{12}$ Ceramics. <i>Journal of Electronic Materials</i> , 2019, 48, 1133-1138.	1.0	10
53	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
54	The smallest anions, induced porosity and graphene interfaces in $\text{C}_{12}\text{A}_7:e^{-}$ electrides: a paradigm shift in electromagnetic absorbers and shielding materials. <i>Journal of Materials Chemistry C</i> , 2022, 10, 969-982.	2.7	10

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55	Charge Disproportionation and Magnetoresistivity in a Double Perovskite with Alternate Fe <sup>4+</sup> (d <sup>4</sup> ) and Mn <sup>4+</sup> (d <sup>3</sup> ) Layers. European Journal of Inorganic Chemistry, 2014, 2014, 2576-2581.	1.0	8
56	Emission features, surface morphology and optical limiting properties of semiconducting Toluidine Blue O dye-poly(vinyl alcohol) nanocomposite architecture. SN Applied Sciences, 2019, 1, 1.	1.5	7
57	Deciphering crystal structure and photophysical response of Bi <sup>3+</sup> and Pr <sup>3+</sup> co-doped Li <sub>3</sub> Gd <sub>3</sub> Te <sub>2</sub> O <sub>12</sub> for lighting and ratiometric temperature sensing. Journal of Alloys and Compounds, 2022, 893, 162246.	2.8	7
58	Vibrational studies and microwave dielectric properties of Ca <sub>3</sub> Te <sub>2</sub> Zn <sub>3</sub> O <sub>12</sub> ceramic with garnet structure. Journal of Materials Science: Materials in Electronics, 2019, 30, 18936-18942.	1.1	6
59	Synergy-induced tunable electromagnetic response and enhanced shielding efficiency in carbon black-and carbonyl iron-reinforced polydimethylsiloxane composites. Materials Research Bulletin, 2021, 142, 111415.	2.7	6
60	MgFe <sub>1.98</sub> O <sub>4</sub> & BaFe <sub>2</sub> O <sub>19</sub> magneto-dielectric composites based ferrite resonator antenna for super-high frequency applications. Ceramics International, 2022, 48, 24531-24539.	2.3	6
61	Silicone Rubber- BaBiLiTeO <sub>6</sub> Composites: Flexible Microwave Substrates for 5G Applications. Journal of Electronic Materials, 2022, 51, 3237-3247.	1.0	5
62	Insights Into the Microstructure and Dielectric Properties of Cold Sintered NaCa <sub>2</sub> Mg <sub>2</sub> V <sub>3</sub> O <sub>12</sub> Based Composites. Frontiers in Materials, 2021, 8, .	1.2	4
63	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
64	Piezoelectric and ferroelectric properties of new Pb <sub>9</sub> Ce <sub>2</sub> Ti <sub>12</sub> O <sub>36</sub> and lead-free Ba <sub>2</sub> NdTi <sub>2</sub> Nb <sub>3</sub> O <sub>15</sub> ceramics. Journal of Electroceramics, 2010, 25, 116-121.	0.8	3
65	Novel self -activated Na <sub>2</sub> BiMgZnV <sub>3</sub> O <sub>12</sub> Yellow-Green phosphor for N-UV excited WLEDs. AIP Conference Proceedings, 2020, , .	0.3	3
66	Insights into the crystal structure and photophysical response of Dy <sup>3+</sup> doped Li <sub>3</sub> Y <sub>3</sub> Te <sub>2</sub> O <sub>12</sub> for ratiometric temperature sensing. Journal of Science: Advanced Materials and Devices, 2022, 7, 100444.	1.5	3
67	Garnet mineral reinforced silicone rubber based composites for flexible microwave substrates. Materials Research Bulletin, 2022, 153, 111879.	2.7	3
68	A novel Sr <sub>3</sub> Pb <sub>6</sub> Ce <sub>2</sub> Ti <sub>12</sub> O <sub>36</sub> ferroelectric thin film grown by pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2014, 116, 199-206.	1.1	2
69	Rare earth titano-silicates for high k gate dielectric applications. Ceramics International, 2016, 42, 10886-10891.	2.3	2
70	Crystal structure, microstructure, and broadband electromagnetic response of Al <sup>3+</sup> -substituted Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10</sub> + $\hat{\Gamma}$ double perovskites. Ceramics International, 2020, 46, 25683-25690.	2.3	2
71	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
72	Crystal structure and phonon modes of disorder induced Ba <sub>2</sub> Li <sub>1-x</sub> Te <sub>1+x</sub> O <sub>5.5</sub> + $\hat{\Gamma}$ (x =0, 0.1, 0.2) double perovskite based microwave dielectrics. Materials Research Bulletin, 2021, 137, 111190.	2.7	2

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73	Polyethylene-ceramic composites for electronic packaging applications. , 2008, , .		1
74	Influence of B <sub>2</sub> O <sub>3</sub> on the Broadband Electromagnetic Response of MgFe <sub>1.98</sub> O <sub>4</sub> Ceramics. Journal of Electronic Materials, 2020, 49, 7316-7324.	1.0	1
75	Microwave Characterisation of MgTe <sub>2</sub> O <sub>5</sub> using quasi TE <sub>n</sub> Mode Dielectric Resonator Technique. , 2007, , .		0
76	Broadband dielectric response of polyvinylidene fluoride reinforced with carbon nanostructures synthesized from the pith of tapioca stem. AIP Conference Proceedings, 2020, , .	0.3	0
77	Room temperature Near-IR photoluminescence from ethylenediamine assisted solvo-hydrothermally grown wurtzite ZnS:Nd <sub>2</sub> O <sub>3</sub> system. Materials Chemistry and Physics, 2021, 257, 123713.	2.0	0