

Subbiah Kasiviswanathan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

454

citations

13

h-index

17

g-index

72

ext. papers

503

ext. citations

2.7

avg, IF

3.42

L-index

#	Paper	IF	Citations
62	Electrical conduction in gold nanoparticles embedded indium oxide films: a crossover from metallic to insulating behavior. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 505702	1.8	2
61	Hot electron mediated enhancement in the decay rates of persistent photocurrent in gold nanoparticles embedded indium oxide films. <i>Applied Physics Letters</i> , 2019 , 114, 211103	3.4	4
60	Evidence for reentrant spin glass behavior in transition metal substituted Co-Ga alloys near critical concentration. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 451, 327-335	2.8	
59	Observation of subwavelength localization of cavity plasmons induced by ultra-strong exciton coupling. <i>Applied Physics Letters</i> , 2017 , 110, 171101	3.4	8
58	Size-dependent persistent photocurrent and its origin in dc sputtered indium oxide films under UV and sub-band gap illuminations. <i>Journal of Applied Physics</i> , 2017 , 121, 185303	2.5	6
57	Growth and characterization of Au nanoparticles embedded In ₂ O ₃ composite films. <i>Thin Solid Films</i> , 2017 , 622, 78-83	2.2	2
56	Studies on interface between In ₂ O ₃ and CuInTe ₂ thin films. <i>Applied Surface Science</i> , 2017 , 418, 388-392	6.7	2
55	Tailoring plasmonic properties of metal nanoparticle-embedded dielectric thin films: the sandwich method of preparation. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	1
54	Giant magnetoresistance in the cluster glass regime of Co-Ga alloys. <i>AIP Advances</i> , 2016 , 6, 055815	1.5	1
53	Effective medium based optical analysis with finite element method simulations to study photochromic transitions in Ag-TiO ₂ nanocomposite films. <i>Journal of Applied Physics</i> , 2016 , 119, 123104	2.5	3
52	Evolution of ferromagnetic interactions from cluster spin glass state in Co ₁₀ Ga alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 418, 158-162	2.8	6
51	Effective Medium-Based Plasmonic Waveguides for Tailoring Dispersion. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1965-1968	2.2	3
50	Spin correlations and magnetic order in Co-Ga alloys: A comprehensive study. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 1011-1018	5.7	7
49	Localized Surface Plasmon Resonance in Au Nanoparticles Embedded dc Sputtered ZnO Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 1805-14	1.3	5
48	Low temperature magnetic and electrical transport behavior of Co _{58.5} Ga _{41.5} alloy 2015 ,		1
47	Anomalous Magnetic and Electrical Transport Behavior in Intermetallic Co _{58.5} Ga _{41.5} . <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	2
46	Plasmon resonance mediated enhancement in Fabry-Pérot cavity modes. <i>Applied Physics Letters</i> , 2014 , 104, 241112	3.4	16

45	Monitoring plasma treatment of thin films by surface plasmon resonance. <i>Review of Scientific Instruments</i> , 2014 , 85, 035001	1.7	3
44	Enhanced short wave IR third order nonlinearity of gold nanoparticle embedded ZnO thin films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2226	1.7	7
43	Spectral response of nanocrystalline ZnO films embedded with Au nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 3317	1.7	5
42	GOLD NANOPARTICLES EMBEDDED ZINC OXIDE FILMS AS POSSIBLE OPTICAL FILTERS. <i>International Journal of Nanoscience</i> , 2011 , 10, 601-604	0.6	
41	Structure of Melt Quenched Chalcogen rich CuInSeTe 2011 ,		1
40	Structure of melt-quenched AgIn ₃ Te ₅ . <i>Powder Diffraction</i> , 2011 , 26, 248-255	1.8	5
39	GOLD NANOPARTICLES-EMBEDDED TRANSPARENT CONDUCTING OXIDES: PREPARATION, CHARACTERIZATION, AND TUNING OF THE OPTICAL PROPERTIES. <i>International Journal of Nanoscience</i> , 2011 , 10, 155-159	0.6	1
38	Correlation of Mn charge state with the electrical resistivity of Mn doped indium tin oxide thin films. <i>Applied Physics Letters</i> , 2010 , 97, 111909	3.4	26
37	Role of oxygen vacancies in the high-temperature thermopower of indium oxide and indium tin oxide films. <i>Semiconductor Science and Technology</i> , 2009 , 24, 025028	1.8	7
36	Characterization of silver selenide thin films grown on Cr-covered Si substrates. <i>Surface and Interface Analysis</i> , 2009 , 41, 170-178	1.5	16
35	Optical and photoluminescence studies of gold nanoparticles embedded ZnO thin films. <i>Thin Solid Films</i> , 2009 , 518, 1399-1401	2.2	11
34	Thermopower and optical studies on undoped and manganese doped indium tin oxide films. <i>Thin Solid Films</i> , 2009 , 518, 1390-1393	2.2	2
33	Growth and characterization of stepwise flash evaporated CuInTe ₂ thin films. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 188-192	6.4	15
32	Transparent ITO-Mn:ITO Thin-Film Thermocouples. <i>IEEE Sensors Journal</i> , 2009 , 9, 809-813	4	8
31	Micro-Raman spectroscopy studies of bulk and thin films of CuInTe ₂ . <i>Semiconductor Science and Technology</i> , 2009 , 24, 075019	1.8	14
30	A hot probe setup for the measurement of Seebeck coefficient of thin wires and thin films using integral method. <i>Review of Scientific Instruments</i> , 2008 , 79, 024302	1.7	23
29	SIMS study of effect of Cr adhesion layer on the thermal stability of silver selenide thin films on Si. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 1480-1485	1.2	2
28	Ion beam studies on reactive DC sputtered manganese doped indium tin oxide thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 1421-1424	1.2	9

27	Structural, optical and compositional studies of stepwise flash evaporated CuIn ₃ Te ₅ films. <i>Materials Chemistry and Physics</i> , 2007 , 101, 118-123	4.4	9
26	Thermal stability of silver selenide thin films on silicon formed from the solid state reaction of Ag and Se films. <i>Thin Solid Films</i> , 2006 , 515, 2059-2065	2.2	13
25	Transmission electron microscopy and Rutherford backscattering spectrometry studies of Ag ₂ Te films formed from Ag-Te thin film couples. <i>Crystal Research and Technology</i> , 2006 , 41, 59-63	1.3	3
24	SYNTHESIS AND PIXE CHARACTERIZATION OF CuInSe ₂ AND CuIn ₃ Se ₅ . <i>International Journal of PIXE</i> , 2006 , 16, 127-136	0.1	1
23	Atomic force microscopy study of thermal stability of silver selenide thin films grown on silicon. <i>Applied Surface Science</i> , 2006 , 252, 7975-7982	6.7	8
22	Two-prism setup for surface plasmon resonance studies. <i>Review of Scientific Instruments</i> , 2005 , 76, 033103	10.3	14
21	Growth and ion beam study of DC sputtered indium oxide films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 229, 406-412	1.2	6
20	Growth and Rutherford backscattering spectrometry study of direct current sputtered indium oxide films. <i>Thin Solid Films</i> , 2005 , 488, 26-33	2.2	13
19	Characterization of stepwise flash evaporated CuIn ₃ Se ₅ films. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 85, 521-533	6.4	19
18	A comparative study of CuInSe ₂ and CuIn ₃ Se ₅ films using transmission electron microscopy, optical absorption and Rutherford backscattering spectrometry. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 88, 281-292	6.4	14
17	Characterization of interface between CuInSe ₂ and In ₂ O ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2005 , 66, 1928-1932	3.9	1
16	Growth and SIMS study of d.c.-sputtered indium oxide films on silicon. <i>Surface and Interface Analysis</i> , 2005 , 37, 281-287	1.5	2
15	Magnetic properties of ball-milled TbFe ₂ and TbFe ₂ B. <i>Bulletin of Materials Science</i> , 2004 , 27, 169-173	1.7	19
14	Characterization of stepwise flash-evaporated CuInSe ₂ films. <i>Vacuum</i> , 2004 , 75, 39-49	3.7	13
13	Magnetic and electrical properties of Ho _{0.85} Tb _{0.15} Fe _{2-x} Mnx (0, 0.5, 1.0, 1.5). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 277, 175-180	2.8	8
12	Surface characterization of AlCuBe thin films by scanning tunneling microscopy and scanning tunneling spectroscopy. <i>Applied Surface Science</i> , 1999 , 147, 140-145	6.7	2
11	Deposition of Ag _{0.5} Cu _{0.5} InTe ₂ thin films using a stepwise evaporation method. <i>Materials Research Bulletin</i> , 1997 , 32, 737-742	5.1	3
10	Observation of deviation of electronic behaviour of indium tin oxide film at grain boundary using Scanning Tunneling Microscope. <i>Solid State Communications</i> , 1997 , 101, 831-834	1.6	14

9	AC Conductivity of Amorphous CuInTe ₂ Thin Films. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 203, 397-400	1.3	1
8	Surface structure of silver thin films on In ₂ O ₃ :Sn and Al ₂ O ₃ . <i>Bulletin of Materials Science</i> , 1996 , 19, 411-416	1.7	1
7	Tunnelling studies in BiSrCaCuO:Pb break junctions. <i>Ceramics International</i> , 1996 , 22, 119-122	5.1	
6	Direct current magnetron sputtered In ₂ O ₃ films as tunnel barriers. <i>Journal of Applied Physics</i> , 1994 , 75, 2572-2577	2.5	44
5	Single particle tunneling studies on Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _y . <i>Solid State Communications</i> , 1992 , 81, 81-84	1.6	6
4	Tunneling studies on NdBa ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 200, 301-306	1.3	3
3	Resistivity, thermopower and single-particle tunneling studies on some zinc-doped yttrium barium copper oxide superconductors. <i>Phase Transitions</i> , 1989 , 19, 87-95	1.3	
2	Quasi-particle tunneling in zinc doped yttrium barium copper oxide. <i>Solid State Communications</i> , 1989 , 71, 475-478	1.6	6
1	Preparation and characterization of the pseudobinary system Cu _{1-x} Ag _x InTe ₂ . <i>Journal of Materials Science Letters</i> , 1986 , 5, 912-914		5