

Dhananjay Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/62931/publications.pdf>

Version: 2024-02-01

97
papers

2,320
citations

236612

25
h-index

214527

47
g-index

99
all docs

99
docs citations

99
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of substrate-induced lattice strain on the electrochemical properties of pulsed laser deposited nickel oxide thin film. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 280, 115711.	1.7	12
2	Effect of thickness on metal-to-semiconductor transition in 2-dimensional TiN thin films. <i>AIP Advances</i> , 2021, 11, 045204.	0.6	5
3	High-Performance Titanium Oxynitride Thin Films for Electrocatalytic Water Oxidation. <i>ACS Applied Energy Materials</i> , 2020, 3, 8366-8374.	2.5	27
4	Magnetic and magnetocaloric properties of Fe ₂ Ta thin films. <i>AIP Advances</i> , 2020, 10, .	0.6	9
5	Electrical and optical properties of titanium oxynitride thin films. <i>Journal of Materials Science</i> , 2020, 55, 5123-5134.	1.7	29
6	Enhancement in corrosion resistance and vibration damping performance in titanium by titanium nitride coating. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	22
7	Magnetic and electrical properties of Fe ₉₀ Ta ₁₀ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165446.	1.0	9
8	Quantum interference effects in titanium nitride films at low temperatures. <i>Thin Solid Films</i> , 2019, 681, 1-5.	0.8	12
9	Catalyst-assisted epitaxial growth of ferromagnetic TiO ₂ /TiN nanowires. <i>Acta Materialia</i> , 2019, 167, 112-120.	3.8	7
10	Morphological data on soft ferromagnetic Fe ₉₀ Ta ₁₀ thin films. <i>Data in Brief</i> , 2019, 27, 104714.	0.5	4
11	Modulated Magneto-Thermal Response of La _{0.85} Sr _{0.15} MnO ₃ and (Ni _{0.6} Cu _{0.2} Zn _{0.2})Fe ₂ O ₄ Composites for Thermal Energy Harvesters. <i>Energy Harvesting and Systems</i> , 2019, 4, 57-65.	1.7	14
12	Influence of Gold Catalyst on the Growth of Titanium Nitride Nanowires. <i>Materials Focus</i> , 2018, 7, 720-725.	0.4	4
13	Fabrication and Characterization of Magnesium Ferrite-Based PCL/Aloe Vera Nanofibers. <i>Materials</i> , 2017, 10, 937.	1.3	24
14	Dependence of grain size and defect density on the magnetic properties of mechanically alloyed Fe ₉₀ W ₁₀ powder. <i>Journal of Applied Physics</i> , 2016, 120, 143903.	1.1	5
15	Transparent ferromagnetic and semiconducting behavior in Fe-Dy-Tb based amorphous oxide films. <i>Scientific Reports</i> , 2016, 6, 27869.	1.6	6
16	Effect of substrate temperature on the microstructural properties of titanium nitride nanowires grown by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2014, 116, 064310.	1.1	16
17	Corrosion Protective Conversion Coatings on Magnesium Disks Using a Hydrothermal Technique. <i>Journal of Materials Science and Technology</i> , 2014, 30, 47-53.	5.6	47
18	Facile synthesis and morphogenesis of superparamagnetic iron oxide nanoparticles for high-performance supercapacitor applications. <i>New Journal of Chemistry</i> , 2014, 38, 4344-4350.	1.4	108

#	ARTICLE	IF	CITATIONS
19	Integration of epitaxial permalloy on Si (100) through domain matching epitaxy paradigm. Current Opinion in Solid State and Materials Science, 2014, 18, 1-5.	5.6	13
20	Diamagnetic to ferromagnetic switching in VO ₂ epitaxial thin films by nanosecond excimer laser treatment. Applied Physics Letters, 2013, 103, .	1.5	19
21	Effect of Post Heat Treatment on Corrosion Resistance of Phytic Acid Conversion Coated Magnesium. Journal of Materials Science and Technology, 2013, 29, 180-186.	5.6	33
22	Pulsed laser deposition assisted fabrication and characterization of Fe@Co nanoparticles embedded in TiN thin film matrix. Thin Solid Films, 2013, 534, 561-565.	0.8	6
23	Growth and Characterization of Titanium Nitride Nanowires on Silicon Substrate Using Pulsed Laser Deposition Method for Biological Applications. , 2013, , .		1
24	Fabrication, characterization, and mechanism of vertically aligned titanium nitride nanowires. Applied Surface Science, 2012, 260, 36-41.	3.1	12
25	Synthesis, structure, and biocompatibility of pulsed laser deposited TiN nanowires for implant applications. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1831-1838.	2.1	6
26	Tunable white light-emission of a CaW _{1-x} Mo _x O ₄ :Tm ³⁺ , Tb ³⁺ , Eu ³⁺ phosphor prepared by a Pechini sol-gel method. Journal of Sol-Gel Science and Technology, 2012, 63, 153-161.	1.1	19
27	Temperature dependence of magnetic behavior and critical magnetic field of superconducting (Gd-Y)-Ba-Cu-O films with strong vortex pinning. Physical Review B, 2011, 84, . $E < \mu_0 H_c$ characteristics in superconducting (Gd-Y)-Ba-Cu-O films with strong vortex pinning. Physical Review B, 2011, 84, .	1.1	60
28	Intrinsic Room-Temperature Ferromagnetic Properties of Ni-Doped ZnO Thin Films. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3250-3254.	1.1	3
29	Unexpected magnetic behavior of Cu-doped CeO ₂ . Applied Physics Letters, 2010, 96, .	1.5	43
30	Ferromagnetism in Ni-doped ZnO films: Extrinsic or intrinsic?. Applied Physics Letters, 2009, 94, .	1.5	78
31	Progress in ZnO-based diluted magnetic semiconductors. Jom, 2009, 61, 72-75.	0.9	28
32	Thermal transport in composites of self-assembled nickel nanoparticles embedded in yttria stabilized zirconia. Applied Physics Letters, 2009, 94, 151913.	1.5	9
33	Effect of spacer layer thickness on magnetic interactions in self-assembled single domain iron nanoparticles. Journal of Applied Physics, 2008, 103, 07D515.	1.1	10
34	Scaling exponent within the side-jump mechanism of Hall effect size-dependence in Ni nanocrystals. Applied Physics Letters, 2008, 93, 133105.	1.5	4
35	The effect of matrix and substrate on the coercivity and blocking temperature of self-assembled Ni nanoparticles. Journal of Applied Physics, 2008, 104, .	1.1	8
36	Effect of Al doping on the magnetic and electrical properties of Zn(Cu)O based diluted magnetic semiconductors. Journal of Applied Physics, 2007, 102, 113908.	1.1	26

#	ARTICLE	IF	CITATIONS
37	Enhancement of critical current density of YBa ₂ Cu ₃ O _{7-x} thin films by self-assembly of Y ₂ O ₃ nanoparticles. Thin Solid Films, 2007, 515, 6452-6455.	0.8	24
38	Pulsed laser deposition of hydroxyapatite thin films. Materials Science and Engineering C, 2007, 27, 484-494.	3.8	113
39	Enhancement of flux pinning in YBa ₂ Cu ₃ O _{7-x} thin films embedded with epitaxially grown Y ₂ O ₃ nanostructures using a multi-layering process. Superconductor Science and Technology, 2005, 18, 1502-1505.	1.8	93
40	Role of Fe and Ni Nanoparticles on Mechanical Properties of Alumina Thin Films deposited by Laser Ablation. Materials Research Society Symposia Proceedings, 2005, 890, 1.	0.1	0
41	Characterization of the Chemical Effects of Ceria Slurries for Chemical Mechanical Polishing. Materials Research Society Symposia Proceedings, 2005, 867, 831.	0.1	7
42	Pulsed laser deposition assisted novel synthesis of self-assembled magnetic nanoparticles. Composites Part B: Engineering, 2004, 35, 149-155.	5.9	28
43	Rectifying electrical characteristics of La _{0.7} Sr _{0.3} MnO ₃ /ZnO heterostructure. Applied Physics Letters, 2003, 83, 1773-1775.	1.5	91
44	Formation of self-assembled epitaxial nickel nanostructures. Journal of Applied Physics, 2003, 94, 4841.	1.1	28
45	Pulsed Laser Deposition Parameter Optimization for Growth of Alumina (Al ₂ O ₃) Thin Film on Silicon (100). Materials Research Society Symposia Proceedings, 2003, 788, 3391.	0.1	0
46	Ultraviolet-assisted pulsed laser deposition of La _{0.7} Ca _{0.3} MnO ₃ thin films with improved oxygen content, crystallinity and magnetoresistive properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 198-201.	0.9	3
47	Epitaxial growth of ZnO films on Si(111). Journal of Materials Research, 2002, 17, 2480-2483.	1.2	48
48	WEAK-LOCALIZATION EFFECT IN SINGLE CRYSTAL TaN(001) FILMS. Modern Physics Letters B, 2002, 16, 1143-1149.	1.0	5
49	Improved magnetic properties of self-assembled epitaxial nickel nanocrystallites in thin-film ceramic matrix. Journal of Materials Research, 2002, 17, 738-742.	1.2	10
50	Epitaxial Growth of Magnetic Nickel Nanodots by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	2
51	Low-temperature resistivity minima in colossal magnetoresistive La _{0.7} Ca _{0.3} MnO ₃ thin films. Physical Review B, 2002, 65, .	1.1	134
52	Synthesis and atomic-level characterization of Ni nanoparticles in Al ₂ O ₃ matrix. Applied Physics Letters, 2002, 81, 4204-4206.	1.5	32
53	Magnetic properties of self-assembled nanoscale La _{2/3} Ca _{1/3} MnO ₃ particles in an alumina matrix. Applied Physics Letters, 2001, 79, 1327-1329.	1.5	43
54	Self-assembled epitaxial and polycrystalline magnetic nickel nanocrystallites. Applied Physics Letters, 2001, 79, 2817-2819.	1.5	44

#	ARTICLE	IF	CITATIONS
55	Tunable Magnetic Properties in Metal Ceramic Composite Thin Films. Materials Research Society Symposia Proceedings, 2001, 676, 3171.	0.1	0
56	Pulsed Laser Deposition and Characterization of Zn _{1-x} Mn _x O Films. Materials Research Society Symposia Proceedings, 2001, 692, 1.	0.1	0
57	Nickel Nanocomposite Thin Films. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	1
58	Tunable magnetic properties of metal ceramic composite thin films. Solid State Communications, 2001, 119, 63-66.	0.9	12
59	High coercivity and superparamagnetic behavior of nanocrystalline iron particles in alumina matrix. Journal of Magnetism and Magnetic Materials, 2001, 232, 161-167.	1.0	62
60	Structural and magnetoresistance properties of La _{2/3} Ca _{1/3} MnO ₃ thin films on buffered silicon substrates. Applied Physics Letters, 2001, 78, 1098-1100.	1.5	15
61	Magnetotransport and Magnetic Properties of La _{0.7} MnO ₃ and Pr _{0.65} Ba _{0.05} Ca _{0.3} MnO ₃ Superlattices. Materials Research Society Symposia Proceedings, 2000, 614, 8121.	0.1	0
62	Novel Nanocrystalline Materials by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2000, 617, 1.	0.1	4
63	Oxygen Content And Crystallinity Effects in Pulsed Laser Deposited Lanthanum Manganite Thin Films. Materials Research Society Symposia Proceedings, 2000, 617, 1.	0.1	3
64	The Effects of Microstructure on the Brightness of Pulsed Laser Deposited Y ₂ O ₃ :Eu Thin Film Phosphors for Field Emission Displays. Materials Research Society Symposia Proceedings, 2000, 621, 2101.	0.1	4
65	Modeling of Interface Scattering Effects during Light Emission from Thin Film Phosphors for Field Emission Displays. Materials Research Society Symposia Proceedings, 2000, 621, 261.	0.1	0
66	Nanometer-Scale Cathodoluminescent Properties Through Z-Contrast Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2000, 6, 130-131.	0.2	0
67	Atomic Structure of Y ₂ O ₃ :Eu/LaAlO ₃ Interfaces. Microscopy and Microanalysis, 2000, 6, 1058-1059.	0.2	0
68	Enhancement of cathodoluminescent and photoluminescent properties of Eu:Y ₂ O ₃ luminescent films by vacuum cooling. Applied Physics Letters, 2000, 77, 2518-2520.	1.5	43
69	Cathodoluminescent properties at nanometer resolution through Z-contrast scanning transmission electron microscopy. Applied Physics Letters, 2000, 77, 594-596.	1.5	8
70	Fabrication and magneto-transport and SQUID measurements of submicron spin-valve structures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2471.	1.6	1
71	Development of chemically assisted dry etching methods for magnetic device structures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 3186.	1.6	8
72	Cl ₂ -Based Dry Etching of Doped Manganate Perovskites: PrBaCaMnO ₃ and LaSrMnO ₃ . Journal of the Electrochemical Society, 1999, 146, 2748-2751.	1.3	2

#	ARTICLE	IF	CITATIONS
73	Modeling of Cathodoluminescence and Photoluminescence Properties of Pulsed Laser-Deposited Europium-Activated Yttrium Oxide thin Film Phosphors. Materials Research Society Symposia Proceedings, 1999, 560, 83.	0.1	3
74	Effects of Magnetic and Non-Magnetic Impurity Addition on Magnetoresistance Behavior of Lanthanum Manganite Thin Films. Materials Research Society Symposia Proceedings, 1999, 562, 87.	0.1	0
75	Role of Silver Doping in the Improvement of Electrical Properties of (Ba,Sr)TiO ₃ Thin Films. Materials Research Society Symposia Proceedings, 1999, 567, 463.	0.1	0
76	Luminescent Characteristics of Pulsed Laser Deposited Epitaxial Eu-Doped Y ₂ O ₃ Films. Materials Research Society Symposia Proceedings, 1999, 574, 11.	0.1	0
77	Dry Etching to form Submicron Features in CMR Oxides: (Pr,Ba,Ca)MnO ₃ and (La,Sr)MnO ₃ . Materials Research Society Symposia Proceedings, 1999, 574, 341.	0.1	0
78	High Density Dry Etching of (Ba,Sr)TiO ₃ and LaNiO ₃ . Materials Research Society Symposia Proceedings, 1999, 596, 91.	0.1	1
79	Role of line-beam on the removal of particulate contaminations from solid surfaces by pulsed laser. Journal of Electronic Materials, 1998, 27, 1104-1106.	1.0	3
80	Pulsed laser deposition and characterization of high-T _c YBa ₂ Cu ₃ O _{7-δ} x superconducting thin films. Materials Science and Engineering Reports, 1998, 22, 113-185.	14.8	76
81	Synthesis of high-temperature superconductive and colossal magnetoresistive surfaces on insulating particles. Applied Physics Letters, 1998, 72, 1451-1453.	1.5	8
82	Luminescence behavior of pulsed laser deposited Eu:Y ₂ O ₃ thin film phosphors on sapphire substrates. Applied Physics Letters, 1998, 73, 3058-3060.	1.5	137
83	Growth and Characterization of Eu:Y ₂ O ₃ Thin Film Phosphors on Silicon and Diamond-Coated Silicon Substrates. Journal of the Electrochemical Society, 1998, 145, 3456-3462.	1.3	60
84	Enhanced Luminescence Properties of Pulsed Laser-Deposited Eu:Y ₂ O ₃ Thin Film Phosphors Using Diamond Buffer Layer. Materials Research Society Symposia Proceedings, 1998, 508, 301.	0.1	1
85	Studies of Dielectric Properties of Pulsed Laser Deposited (Ba, Sr)TiO ₃ Films Using LaNiO ₃ as Conductive Electrode. Materials Research Society Symposia Proceedings, 1998, 541, 41.	0.1	1
86	Luminescence Properties of Pulsed Laser Deposited Eu:Y ₂ O ₃ Thin Film Phosphors on Sapphire Substrates. Materials Research Society Symposia Proceedings, 1998, 526, 317.	0.1	1
87	Improved luminescence properties of pulsed laser deposited Eu:Y ₂ O ₃ thin films on diamond coated silicon substrates. Applied Physics Letters, 1997, 71, 3335-3337.	1.5	107
88	Pulsed Laser Assisted Particulate Cleaning of Solid Surfaces. Materials Research Society Symposia Proceedings, 1997, 477, 475.	0.1	2
89	Synthesis of high temperature superconductive and colossal magnetoresistive surfaces on insulating particles. Materials Research Society Symposia Proceedings, 1997, 501, 393.	0.1	0
90	Deposition and Characterization of Eu:Y ₂ O ₃ Red Phosphor Thin Films. Materials Research Society Symposia Proceedings, 1997, 471, 299.	0.1	2

#	ARTICLE	IF	CITATIONS
91	Role of Ag in the Epitaxial Growth of Oxide Thin Films. Materials Research Society Symposia Proceedings, 1997, 474, 351.	0.1	0
92	Luminescence of pulsed laser deposited Eu doped yttrium oxide films. Applied Physics Letters, 1997, 71, 404-406.	1.5	259
93	LaNiO ₃ and Cu ₃ Ge contacts to YBa ₂ Cu ₃ O _{7-x} films. Journal of Electronic Materials, 1996, 25, 1760-1766.	1.0	7
94	Giant Magnetoresistance Phenomenon in Laser Ablated La _{0.6} Y _{0.07} Ca _{0.33} mno _x Thin Films. Materials Research Society Symposia Proceedings, 1995, 397, 241.	0.1	2
95	Two-dimensional growth model for laser-ablated Ag-doped YBa ₂ Cu ₃ O ₇ thin films. Journal of Applied Physics, 1995, 77, 5802-5808.	1.1	20
96	Silver doping and its influence on the oxygenation during in situ growth of YBa ₂ Cu ₃ O ₇ thin films. Journal of Applied Physics, 1994, 76, 1349-1351.	1.1	24
97	Magnetic Properties of Metal-Ceramic Composite Core-Shell Structures Synthesized Using Coprecipitation and Hetero-Coagulation. Ceramic Engineering and Science Proceedings, 0, , 37-52.	0.1	0