

Takeshi Sasaki

List of Publications by Year in descending order

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163
papers

5,692
citations

66234

42
h-index

91712

69
g-index

165
all docs

165
docs citations

165
times ranked

5969
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-course comparison of pulmonary inflammation induced by intratracheal instillation of four different nickel oxide nanoparticles in male Fischer rats. <i>Journal of Toxicologic Pathology</i> , 2021, 34, 43-55.	0.3	2
2	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43674-43683.	4.0	39
3	Sample Preparation and the Characterization for Intratracheal Administration. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2019, , 123-144.	0.1	0
4	Biopersistence of NiO and TiO ₂ Nanoparticles Following Intratracheal Instillation and Inhalation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2757.	1.8	31
5	Kinetics and dissolution of intratracheally administered nickel oxide nanomaterials in rats. <i>Particle and Fibre Toxicology</i> , 2017, 14, 48.	2.8	33
6	Evaluation of Pulmonary Toxicity of Zinc Oxide Nanoparticles Following Inhalation and Intratracheal Instillation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1241.	1.8	57
7	Quantitative evaluation of local pulmonary distribution of TiO ₂ in rats following single or multiple intratracheal administrations of TiO ₂ nanoparticles using X-ray fluorescence microscopy. <i>Journal of Applied Toxicology</i> , 2016, 36, 1268-1275.	1.4	4
8	Effects of dose volume and delivery device on bronchoalveolar lavage parameters of intratracheally administered nano-sized TiO ₂ in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, 233-241.	1.3	7
9	Categorization of nano-structured titanium dioxide according to physicochemical characteristics and pulmonary toxicity. <i>Toxicology Reports</i> , 2016, 3, 490-500.	1.6	15
10	Comparison of pulmonary inflammatory responses following intratracheal instillation and inhalation of nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 607-618.	1.6	73
11	Comparison between whole-body inhalation and nose-only inhalation on the deposition and health effects of nanoparticles. <i>Environmental Health and Preventive Medicine</i> , 2016, 21, 42-48.	1.4	22
12	Quantitative evaluation of the pulmonary microdistribution of TiO ₂ nanoparticles using X-ray fluorescence microscopy after intratracheal administration with a microsyringe in rats. <i>Journal of Applied Toxicology</i> , 2015, 35, 623-630.	1.4	7
13	Pulmonary toxicity of well-dispersed cerium oxide nanoparticles following intratracheal instillation and inhalation. <i>Journal of Nanoparticle Research</i> , 2015, 17, 442.	0.8	54
14	Pulmonary clearance kinetics and extrapulmonary translocation of seven titanium dioxide nano- and submicron materials following intratracheal administration in rats. <i>Nanotoxicology</i> , 2015, 9, 1050-1058.	1.6	18
15	Aerosol Generation by a Spray-Drying Technique Under Coulomb Explosion and Rapid Evaporation for the Preparation of Aerosol Particles for Inhalation Tests. <i>Aerosol Science and Technology</i> , 2014, 48, 698-705.	1.5	20
16	Tissue distribution and clearance of intravenously administered titanium dioxide (TiO ₂) nanoparticles. <i>Nanotoxicology</i> , 2014, 8, 132-141.	1.6	54
17	Dose-dependent clearance kinetics of intratracheally administered titanium dioxide nanoparticles in rat lung. <i>Toxicology</i> , 2014, 325, 1-11.	2.0	26
18	Preparation of Layered Inorganic/Organic Nanocomposites by Nanosecond Pulsed Laser Ablation of Ag in Liquids. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 11162-11166.	0.9	0

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19	Seebeck Coefficient and Power Factor of Single-Crystalline Boron Nanobelts. <i>Applied Physics Express</i> , 2011, 4, 041201.	1.1	12
20	Submicron-Sized Boron Carbide Particles Encapsulated in Turbostratic Graphite Prepared by Laser Fragmentation in Liquid Medium. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5467-5470.	0.9	11
21	Highly Stable Au Nanoparticles with Tunable Spacing and Their Potential Application in Surface Plasmon Resonance Biosensors. <i>Advanced Functional Materials</i> , 2010, 20, 78-86.	7.8	67
22	Carrier doping into boron nanobelts by neutron transmutation. <i>Applied Physics Letters</i> , 2010, 97, 212105.	1.5	4
23	Generation of room-temperature atmospheric H ₂ /Ar microplasma jet driven with pulse-modulated ultrahigh frequency and its application to gold nanoparticle preparation. <i>Applied Physics Letters</i> , 2009, 94, 191504.	1.5	28
24	Periodic TiO ₂ Nanorod Arrays with Hexagonal Nonclose-Packed Arrangements: Excellent Field Emitters by Parameter Optimization. <i>Advanced Functional Materials</i> , 2009, 19, 2467-2473.	7.8	96
25	Pulsed-Laser-Induced Simple Synthetic Route for Tb ₃ Al ₅ O ₁₂ :Ce ³⁺ Colloidal Nanocrystals and Their Luminescent Properties. <i>Nanoscale Research Letters</i> , 2009, 4, 888-895.	3.1	29
26	Simple synthetic route for hydroxyapatite colloidal nanoparticles via a Nd:YAG laser ablation in liquid medium. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 435-440.	1.1	21
27	Aging effect on blue luminescent silicon nanocrystals prepared by pulsed laser ablation of silicon wafer in de-ionized water. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 133-139.	1.1	25
28	Unconventional Lithography for Hierarchical Micro-/Nanostructure Arrays with Well-Aligned 1D Crystalline Nanostructures: Design and Creation Based on the Colloidal Monolayer. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2580-2585.	4.0	24
29	A New Approach for Hydroxyapatite Coating on Polymeric Materials Using Laser-Induced Precursor Formation and Subsequent Aging. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1520-1524.	4.0	25
30	Innovative Platform for Transmission Localized Surface Plasmon Transducers and Its Application in Detecting Heavy Metal Pd(II). <i>Analytical Chemistry</i> , 2009, 81, 7703-7712.	3.2	23
31	Controlled Cobalt Oxide from Two-Dimensional Films to One-Dimensional Nanorods and Zero-Dimensional Nanoparticles: Morphology-Dependent Optical Carbon Monoxide Gas-Sensing Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15948-15954.	1.5	23
32	Dense growth of multiply-twinned star-shaped molybdenum particles by atmospheric H ₂ /Ar microplasma jet. <i>CrystEngComm</i> , 2009, 11, 1940.	1.3	7
33	Electron energy-loss and soft X-ray emission study of boron nanobelts. <i>Journal of Physics: Conference Series</i> , 2009, 176, 012029.	0.3	8
34	FePt Nanoparticles Fabricated by Pulsed Laser Ablation. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1454-1457.	0.9	3
35	Synthesis of crystalline TiN and Si particles by laser ablation in liquid nitrogen. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 833-836.	1.1	58
36	A Hierarchically Ordered TiO ₂ Hemispherical Particle Array with Hexagonal Nonclose-Packed Tops: Synthesis and Stable Superhydrophilicity Without UV Irradiation. <i>Small</i> , 2008, 4, 2286-2291.	5.2	160

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37	Synthesis of ZnO nanoparticles using nanosecond pulsed laser ablation in aqueous media and their self-assembly towards spindle-like ZnO aggregates. Applied Surface Science, 2008, 254, 2196-2202.	3.1	138
38	Hexagonal-Close-Packed, Hierarchical Amorphous TiO ₂ Nanocolumn Arrays: Transferability, Enhanced Photocatalytic Activity, and Superamphiphilicity without UV Irradiation. Journal of the American Chemical Society, 2008, 130, 14755-14762.	6.6	321
39	Blue luminescent silicon nanocrystals prepared by nanosecond laser ablation and stabilized in electronically compatible spin on glasses. Journal of Applied Physics, 2008, 103, 023101.	1.1	17
40	Room temperature photoluminescence of the freestanding silicon nanocrystals. Transactions of the Materials Research Society of Japan, 2008, 33, 659-663.	0.2	0
41	Localized deposition of metallic molybdenum particles in ambient air using atmospheric-pressure microplasma. , 2007, , .		2
42	Topological analysis of Au particles in Au/SiO ₂ nanocomposite films designed for molecular conduction measurement through Voronoi diagram. Nanotechnology, 2007, 18, 145703.	1.3	7
43	Boron carbide spherical particles encapsulated in graphite prepared by pulsed laser irradiation of boron in liquid medium. Applied Physics Letters, 2007, 91, .	1.5	74
44	Gas temperature and electron temperature measurements by emission spectroscopy for an atmospheric microplasma. Journal of Applied Physics, 2007, 101, 013307.	1.1	67
45	Preparation of ZnS semiconductor nanocrystals using pulsed laser ablation in aqueous surfactant solutions. Journal of Physics: Conference Series, 2007, 59, 388-391.	0.3	4
46	Thickness and Morphology Effects on Optical Gas-Sensing Response Using Nanostructured Cobalt Oxide Films Prepared by Pulsed Laser Ablation. Journal of Physical Chemistry C, 2007, 111, 9105-9109.	1.5	4
47	Surfactant-Assisted Preparation of Novel Layered Silver Bromide-Based Inorganic/Organic Nanosheets by Pulsed Laser Ablation in Aqueous Media. Advanced Functional Materials, 2007, 17, 3554-3561.	7.8	44
48	Carbon materials syntheses using dielectric barrier discharge microplasma in supercritical carbon dioxide environments. Journal of Supercritical Fluids, 2007, 41, 404-411.	1.6	76
49	Colloidal blue and red luminescent silicon nanocrystals and their elaboration in pure and doped spin on glasses. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 293-296.	1.3	1
50	Preparation of gold/iron-oxide composite nanoparticles by a unique laser process in water. Journal of Magnetism and Magnetic Materials, 2007, 310, 2369-2371.	1.0	36
51	Fabrication of ZnO nanoparticles by pulsed laser ablation in aqueous media and pH-dependent particle size: An approach to study the mechanism of enhanced green photoluminescence. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 191, 66-73.	2.0	56
52	Aggregation of Silicon Nanocrystals Prepared by Laser Ablation in Deionized Water. Journal of Laser Micro Nanoengineering, 2007, 2, 15-20.	0.4	20
53	Laser ablation of a platinum target in water. III. Laser-induced reactions. Journal of Applied Physics, 2006, 100, 114913.	1.1	83
54	Laser ablation of a platinum target in water. I. Ablation mechanisms. Journal of Applied Physics, 2006, 100, 114911.	1.1	95

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55	Laser ablation of a platinum target in water. II. Ablation rate and nanoparticle size distributions. <i>Journal of Applied Physics</i> , 2006, 100, 114912.	1.1	93
56	Optical CO Gas Sensor Using a Cobalt Oxide Thin Film Prepared by Pulsed Laser Deposition under Various Argon Pressures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23081-23084.	1.2	76
57	Optical Transmittance of Indium Tin Oxide Nanoparticles Prepared by Laser-Induced Fragmentation in Water. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12890-12895.	1.2	52
58	Reactive Evaporation of Metal Wire and Microdeposition of Metal Oxide Using Atmospheric Pressure Reactive Microplasma Jet. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 8228-8234.	0.8	53
59	Zeolite LTA Nanoparticles Prepared by Laser-Induced Fracture of Zeolite Microcrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 83-89.	1.2	25
60	Formation Process of Platelet Nanocomposites with Zinc Hydroxide and Sodium Dodecyl Sulfate Prepared by Laser Ablation in Solution. <i>Chemistry Letters</i> , 2006, 35, 752-753.	0.7	7
61	Localized Deposition Technique using an Atmospheric-pressure Microplasma Jet for On-demand Material Processing. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2006, 19, 235-240.	0.1	3
62	Preparation of Fe-Pt alloy particles by pulsed laser ablation in liquid medium. <i>Chemical Physics Letters</i> , 2006, 428, 426-429.	1.2	42
63	Silicon nanocrystals formed by pulsed laser-induced fragmentation of electrochemically etched Si micrograins. <i>Chemical Physics Letters</i> , 2006, 429, 483-487.	1.2	21
64	Preparation of metal oxide-based nanomaterials using nanosecond pulsed laser ablation in liquids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 182, 335-341.	2.0	128
65	Mg-doping experiment and electrical transport measurement of boron nanobelts. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2799-2804.	1.4	15
66	Preparation of zinc oxide nanorods using pulsed laser ablation in water media at high temperature. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 612-615.	5.0	136
67	Development of wire spraying for direct micro-patterning via an atmospheric-pressure UHF inductively coupled microplasma jet. <i>Surface and Coatings Technology</i> , 2006, 200, 4251-4256.	2.2	50
68	Flow rate effect on the structure and morphology of molybdenum oxide nanoparticles deposited by atmospheric-pressure microplasma processing. <i>Nanotechnology</i> , 2006, 17, 5976-5982.	1.3	54
69	Preparation of Gold/Iron Oxide Composite Nanoparticles by a Laser-Soldering Method. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 3620-3622.	1.2	4
70	Microplasma Synthesis of Carbon Nanostructured Materials. <i>Advances in Science and Technology</i> , 2006, 48, 9-16.	0.2	0
71	Method to determine argon metastable number density and plasma electron temperature from spectral emission originating from four 4p argon levels. <i>Applied Physics Letters</i> , 2006, 89, 201502.	1.5	58
72	Dependence of photocurrent in single-crystalline boron nanobelts on atmosphere. <i>Applied Physics Letters</i> , 2006, 89, 243121.	1.5	21

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73	Room-temperature deposition of nanocrystalline CaWO ₄ films by pulsed laser and their optical properties. <i>Journal of Applied Physics</i> , 2006, 99, 086103.	1.1	8
74	Blue luminescent silicon nanocrystals prepared by ns pulsed laser ablation in water. <i>Applied Physics Letters</i> , 2006, 89, 213113.	1.5	125
75	Preparation of Oxide Nanomaterials Using Pulsed Laser Ablation. <i>The Review of Laser Engineering</i> , 2005, 33, 18-23.	0.0	2
76	Effect of Alkyl Chain Length on Layered Structure of Zn Nanocomposites Prepared by Laser Ablation of Zn in Aqueous Solution of Sodium Alkyl Sulfate. <i>Chemistry Letters</i> , 2005, 34, 700-701.	0.7	19
77	Blue luminescence from amorphous GaN films deposited by pulsed-laser ablation at room temperature. <i>Thin Solid Films</i> , 2005, 472, 11-15.	0.8	14
78	Quantum confinement effect of nanocrystalline GaN films prepared by pulsed-laser ablation under various Ar pressures. <i>Thin Solid Films</i> , 2005, 471, 273-276.	0.8	18
79	Dispersion of nanosized noble metals in TiO ₂ matrix and their photoelectrode properties. <i>Thin Solid Films</i> , 2005, 483, 276-282.	0.8	39
80	Photoluminescence of ZnO Nanoparticles Prepared by Laser Ablation in Different Surfactant Solutions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 120-124.	1.2	251
81	Cylindrical Metal Wire Surface Coating with Multiwalled Carbon Nanotubes by an Atmospheric-Pressure Microplasma CVD Technique. <i>Chemical Vapor Deposition</i> , 2005, 11, 244-249.	1.4	20
82	Fabrication of Mixed Zn/Cu-Bound Polyimine Microspheres with Fine-Tuned Diameter and Internal Gradation of Metal Composition. <i>Advanced Materials</i> , 2005, 17, 606-610.	11.1	9
83	Target density and surface state effects on the compositional changes in iron oxide particle aggregated films prepared by laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 145-149.	1.1	1
84	Preparation of ultrafine TiO ₂ nanocrystals via pulsed-laser ablation of titanium metal in surfactant solution. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 819-822.	1.1	81
85	Optical Gas Sensor Using Cobalt Oxide Thin Film Prepared by Pulsed Laser Ablation. <i>Materials Research Society Symposia Proceedings</i> , 2005, 900, 1.	0.1	0
86	Electrical transport of tetragonal boron nanobelts. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 2510.	1.6	11
87	Temperature dependence of electrical conductance in single-crystalline boron nanobelts. <i>Applied Physics Letters</i> , 2005, 86, 212101.	1.5	35
88	Ultraviolet emission from layered nanocomposites of Zn(OH) ₂ and sodium dodecyl sulfate prepared by laser ablation in liquid. <i>Applied Physics Letters</i> , 2005, 87, 063105.	1.5	38
89	Effect of plasma conditions on fabrication of multi-walled carbon nanotubes grown perpendicularly on Hastelloy C276®. <i>Diamond and Related Materials</i> , 2005, 14, 11-15.	1.8	7
90	Fluorescence Color Modulation by Intramolecular and Intermolecular π-π Interactions in a Helical Zinc(II) Complex. <i>Chemistry of Materials</i> , 2005, 17, 50-56.	3.2	243

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91	Fabrication of inorganic nanomaterials by pulsed laser ablation in liquid phase. The Review of Laser Engineering, 2005, 33, 106-107.	0.0	0
92	One-step growth of silica nanotubes and simultaneous filling with indium sulfide nanorods. Journal of Materials Chemistry, 2004, 14, 248.	6.7	37
93	Comparison of Photoelectrode Properties Between TiO ₂ Thin Films Doped with Tantalum and Dispersed with Nanosize Gold. Electrochemical and Solid-State Letters, 2004, 7, A172.	2.2	3
94	Photoelectrochemical Behaviors of Pt/TiO ₂ Nanocomposite thin films Electrodes Prepared by PLD/Sputtering Combined System. Materials Research Society Symposia Proceedings, 2004, 846, DD8.10.1.	0.1	1
95	Fabrication of Organic/Inorganic Nanocomposites Using Pulsed Laser Ablation of Zinc in Aqueous Solutions. Materials Research Society Symposia Proceedings, 2004, 847, 140.	0.1	0
96	Photoluminescence in Si/ZnO nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 113, 24-29.	1.7	15
97	Effects of ambient gas and laser fluence on the compositional changes in iron oxide particle aggregated films prepared by laser ablation. Applied Physics A: Materials Science and Processing, 2004, 79, 1783-1787.	1.1	10
98	Optical CO gas sensing using nanostructured NiO and NiO/SiO ₂ nanocomposites fabricated by PLD and sol-gel methods. Applied Physics A: Materials Science and Processing, 2004, 79, 1303-1305.	1.1	24
99	Effect of substrate position on the morphology of boron products by laser ablation. Applied Physics A: Materials Science and Processing, 2004, 79, 891-893.	1.1	6
100	Fabrication of oxide base nanostructures using pulsed laser ablation in aqueous solutions. Applied Physics A: Materials Science and Processing, 2004, 79, 1489-1492.	1.1	67
101	Structure and optical properties of M/ZnO (M=Au, Cu, Pt) nanocomposites. Solar Energy Materials and Solar Cells, 2004, 81, 339-348.	3.0	40
102	Fabrication of crystallized boron films by laser ablation. Journal of Solid State Chemistry, 2004, 177, 1639-1645.	1.4	13
103	Pulsed-laser ablation of Mg in liquids: surfactant-directing nanoparticle assembly for magnesium hydroxide nanostructures. Chemical Physics Letters, 2004, 389, 58-63.	1.2	87
104	Carbon and copper nanostructured materials syntheses by plasma discharge in a supercritical fluid environment. Journal of Materials Chemistry, 2004, 14, 1513.	6.7	43
105	Au-Mediated Growth of Wurtzite ZnS Nanobelts, Nanosheets, and Nanorods via Thermal Evaporation. Journal of Physical Chemistry B, 2004, 108, 9728-9733.	1.2	81
106	Synthesis, characterization, and phase stability of ultrafine TiO ₂ nanoparticles by pulsed laser ablation in liquid media. Journal of Materials Research, 2004, 19, 1551-1557.	1.2	56
107	Preparation of Layered Zinc Hydroxide/Surfactant Nanocomposite by Pulsed-Laser Ablation in a Liquid Medium. Chemistry of Materials, 2004, 16, 963-965.	3.2	144
108	[⁶ Li] MAS NMR Study of Lithium Insertion into Hydrothermally Prepared Li-Ti-O Spinel. Electrochemical and Solid-State Letters, 2004, 7, A163.	2.2	15

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109	Photoelectrochemical Behavior of the Pt/TiO ₂ /Nanocomposite Electrodes Prepared by Co-sputter Deposition. <i>Electrochemistry</i> , 2004, 72, 443-445.	0.6	5
110	Fabrication of spherical carbon via UHF inductively coupled microplasma CVD. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 2940-2944.	1.3	61
111	Pressure-controlled preparation of nanocrystalline complex oxides using pulsed-laser ablation at room temperature. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 641-643.	1.1	13
112	Catalyst-free fabrication of single crystalline boron nanobelts by laser ablation. <i>Chemical Physics Letters</i> , 2003, 368, 663-667.	1.2	105
113	Fabrication of carbon nanotube assemblies on Ni-Mo substrates mimics law of natural forest growth. <i>Chemical Physics Letters</i> , 2003, 370, 774-780.	1.2	20
114	Crystallized SrFeO _{3-x} films deposited by pulsed laser ablation without in-situ substrate heating. <i>Thin Solid Films</i> , 2003, 437, 95-100.	0.8	8
115	Synthesis of Ultrafine SnO ₂ -x Nanocrystals by Pulsed Laser-Induced Reactive Quenching in Liquid Medium. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9220-9225.	1.2	137
116	Improvement in Electrical Conductivity of Indium Tin Oxide Films Prepared via Pulsed Laser Deposition on Electric-Field-Applied Substrates. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 3760-3761.	0.8	3
117	Photoelectrode Properties of Nanocomposite Thin Films Based on Interfacing Nanosized Noble Metal and TiO ₂ . <i>Electrochemical and Solid-State Letters</i> , 2002, 5, A256.	2.2	11
118	Pulsed laser deposition of semiconductor-ITO composite films on electric-field-applied substrates. <i>Applied Surface Science</i> , 2002, 197-198, 438-441.	3.1	12
119	Preparation of Pt/TiO ₂ nanocomposite films by 2-beam pulsed laser deposition. <i>Applied Surface Science</i> , 2002, 197-198, 619-623.	3.1	17
120	Preparation of nanocrystalline titania films by pulsed laser deposition at room temperature. <i>Applied Surface Science</i> , 2002, 197-198, 624-627.	3.1	29
121	Laser ablation of iron oxide in various ambient gases. <i>Applied Surface Science</i> , 2002, 197-198, 883-886.	3.1	7
122	Photoelectrochemical behavior of Pt/TiO ₂ nanocomposite thin films prepared by pulsed laser deposition. <i>Applied Surface Science</i> , 2002, 197-198, 684-687.	3.1	8
123	Preparation of LaFeO ₃ Perovskite Thin Films by Radio Frequency Magnetron Sputtering and Their Electrical Conductivities. <i>Electrochemistry</i> , 2001, 69, 171-176.	0.6	1
124	Determination of optical constants of Si/ZnO polycrystalline nanocomposites by spectroscopic ellipsometry. <i>Journal of Materials Research</i> , 2001, 16, 3554-3559.	1.2	7
125	Preparation of Pt/TiO ₂ nanocomposite thin films by pulsed laser deposition and their photoelectrochemical behaviors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 145, 11-16.	2.0	47
126	Preparation of Au/ZnO nanocomposites by radio frequency co-sputtering. <i>Solar Energy Materials and Solar Cells</i> , 2001, 70, 363-368.	3.0	17

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127	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 22, 115-123.	1.1	30
128	DC-electric-field effect on CdSe nanocrystal embedded in Indium tin oxide film and its second-order nonlinearity. Scripta Materialia, 2001, 44, 1219-1223.	2.6	2
129	Preparation and characterization of M/TiO ₂ (M = Ag, Au, Pt) nanocomposite thin films. Scripta Materialia, 2001, 44, 1865-1868.	2.6	30
130	Ambient gas effects on iron oxide particle aggregated films prepared by laser ablation. Scripta Materialia, 2001, 44, 1869-1872.	2.6	15
131	Synthesis of GaAs nanoparticles embedded in SiO ₂ matrix by radio frequency co-sputtering technique. Scripta Materialia, 2001, 44, 1841-1846.	2.6	6
132	Size distribution and growth mechanism of Co ₃ O ₄ nanoparticles fabricated by pulsed laser deposition. Scripta Materialia, 2001, 44, 1925-1928.	2.6	50
133	Preparation of Pd/TiO ₂ nanocomposite by magnetron sputtering. Scripta Materialia, 2001, 44, 1817-1820.	2.6	13
134	SYNTHESIS AND CHARACTERIZATION OF Au/ZnO NANOCOMPOSITES. Modern Physics Letters B, 2001, 15, 679-682.	1.0	2
135	Parameter effect on the crystallization of Nd:yttrium aluminum garnet laser-ablated TiO ₂ thin film. Journal of Materials Research, 2001, 16, 3158-3161.	1.2	7
136	Mechanism of optical transmittance change by NO _x in CoO/SiO ₂ nanocomposites films. Sensors and Actuators B: Chemical, 2000, 66, 122-124.	4.0	40
137	Sol-Gel Preparation and Characterization of Ag-TiO ₂ Nanocomposite Thin Films. Journal of Sol-Gel Science and Technology, 2000, 19, 733-736.	1.1	49
138	Effect of target modification on deposition rates of hexaphenyldisilane by laser ablation. Applied Surface Science, 1999, 140, 90-98.	3.1	7
139	Characterization of nanocomposite materials prepared via laser ablation of Pt/TiO ₂ bi-combinant targets. Chemical Physics Letters, 1999, 301, 336-342.	1.2	24
140	Pressure dependence of the morphology and size of cobalt (II,III) oxide nanoparticles prepared by pulsed-laser ablation. Applied Physics A: Materials Science and Processing, 1999, 69, 115-118.	1.1	25
141	Comparison of Pt/TiO ₂ nanocomposite films prepared by sputtering and pulsed laser deposition. Applied Physics A: Materials Science and Processing, 1999, 69, S771-S774.	1.1	12
142	A direct comparison of sizes characterized by TEM and AFM for Fe ₂ O ₃ nanoparticles prepared by laser ablation. Applied Physics A: Materials Science and Processing, 1999, 69, S253-S255.	1.1	6
143	Preparation of M/TiO ₂ (M = Au, Pt) nanocomposite films using co-sputtering method. Scripta Materialia, 1999, 12, 511-514.	0.5	16
144	A gas-sensing nanocomposite. Scripta Materialia, 1999, 12, 971-974.	0.5	22

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145	Nanostructure and photoluminescence property of and co-sputtered films. Scripta Materialia, 1999, 12, 975-978.	0.5	3
146	The preparation of iron complex oxide nanoparticles by pulsed-laser ablation. Applied Surface Science, 1998, 127-129, 398-402.	3.1	40
147	Fabrication of Iron Oxide Nanoparticles by Pulsed-Laser Ablation. Materials Research Society Symposia Proceedings, 1998, 526, 67.	0.1	12
148	Nanostructure and chemical state of nanocomposites prepared by co-sputtering method. Scripta Materialia, 1997, 9, 587-590.	0.5	10
149	Characterization of co-sputtered Si/MgO films " a comparison with Si/SiO ₂ and Si/Al ₂ O ₃ films. Scripta Materialia, 1997, 8, 1085-1092.	0.5	2
150	Preparation of Pt/TiO ₂ nanocomposite films using co-sputtering method. Scripta Materialia, 1997, 8, 1077-1083.	0.5	19
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