Takeshi Sasaki

List of Publications by Year
in descending order

163	5,692	66234	91712
papers	citations	42 h-index	69 g-index

165	165	165	5969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hexagonal-Close-Packed, Hierarchical Amorphous TiO₂ Nanocolumn Arrays: Transferability, Enhanced Photocatalytic Activity, and Superamphiphilicity without UV Irradiation. Journal of the American Chemical Society, 2008, 130, 14755-14762.	6.6	321
2	Photoluminescence of ZnO Nanoparticles Prepared by Laser Ablation in Different Surfactant Solutions. Journal of Physical Chemistry B, 2005, 109, 120-124.	1.2	251
3	Fluorescence Color Modulation by Intramolecular and Intermolecular Ï€â^Ï€ Interactions in a Helical Zinc(II) Complex. Chemistry of Materials, 2005, 17, 50-56.	3.2	243
4	A Hierarchically Ordered TiO₂ Hemispherical Particle Array with Hexagonalâ€Nonâ€Closeâ€Packed Tops: Synthesis and Stable Superhydrophilicity Without UV Irradiation. Small, 2008, 4, 2286-2291.	5.2	160
5	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
6	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
7	Synthesis of Ultrafine SnO2-xNanocrystals by Pulsed Laser-Induced Reactive Quenching in Liquid Medium. Journal of Physical Chemistry B, 2003, 107, 9220-9225.	1.2	137
8	Preparation of zinc oxide nanorods using pulsed laser ablation in water media at high temperature. Journal of Colloid and Interface Science, 2006, 300, 612-615.	5.0	136
9	Preparation of metal oxide-based nanomaterials using nanosecond pulsed laser ablation in liquids. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 335-341.	2.0	128
10	Blue luminescent silicon nanocrystals prepared by ns pulsed laser ablation in water. Applied Physics Letters, 2006, 89, 213113.	1.5	125
11	Catalyst-free fabrication of single crystalline boron nanobelts by laser ablation. Chemical Physics Letters, 2003, 368, 663-667.	1.2	105
12	Periodic TiO₂ Nanorod Arrays with Hexagonal Noncloseâ€Packed Arrangements: Excellent Field Emitters by Parameter Optimization. Advanced Functional Materials, 2009, 19, 2467-2473.	7.8	96
13	Laser ablation of a platinum target in water. I. Ablation mechanisms. Journal of Applied Physics, 2006, 100, 114911.	1.1	95
14	Laser ablation of a platinum target in water. II. Ablation rate and nanoparticle size distributions. Journal of Applied Physics, 2006, 100, 114912.	1.1	93
15	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
16	Laser ablation of a platinum target in water. III. Laser-induced reactions. Journal of Applied Physics, 2006, 100, 114913.	1.1	83
17	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
18	Preparation of ultrafine TiO2 nanocrystals via pulsed-laser ablation of titanium metal in surfactant solution. Applied Physics A: Materials Science and Processing, 2005, 80, 819-822.	1.1	81

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19	Optical CO Gas Sensor Using a Cobalt Oxide Thin Film Prepared by Pulsed Laser Deposition under Various Argon Pressures. Journal of Physical Chemistry B, 2006, 110, 23081-23084.	1.2	76
20	Carbon materials syntheses using dielectric barrier discharge microplasma in supercritical carbon dioxide environments. Journal of Supercritical Fluids, 2007, 41, 404-411.	1.6	76
21	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
22	Comparison of pulmonary inflammatory responses following intratracheal instillation and inhalation of nanoparticles. Nanotoxicology, 2016, 10, 607-618.	1.6	73
23	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
24	Gas temperature and electron temperature measurements by emission spectroscopy for an atmospheric microplasma. Journal of Applied Physics, 2007, 101, 013307.	1.1	67
25	Highly Stable Au Nanoparticles with Tunable Spacing and Their Potential Application in Surface Plasmon Resonance Biosensors. Advanced Functional Materials, 2010, 20, 78-86.	7.8	67
26	Fabrication of spherical carbon via UHF inductively coupled microplasma CVD. Journal Physics D: Applied Physics, 2003, 36, 2940-2944.	1.3	61
27	Method to determine argon metastable number density and plasma electron temperature from spectral emission originating from four 4p argon levels. Applied Physics Letters, 2006, 89, 201502.	1.5	58
28	Synthesis of crystalline TiN and Si particles by laser ablation inÂliquid nitrogen. Applied Physics A: Materials Science and Processing, 2008, 93, 833-836.	1.1	58
29	Evaluation of Pulmonary Toxicity of Zinc Oxide Nanoparticles Following Inhalation and Intratracheal Instillation. International Journal of Molecular Sciences, 2016, 17, 1241.	1.8	57
30	Synthesis, characterization, and phase stability of ultrafine TiO2 nanoparticles by pulsed laser ablation in liquid media. Journal of Materials Research, 2004, 19, 1551-1557.	1.2	56
31	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
32	Flow rate effect on the structure and morphology of molybdenum oxide nanoparticles deposited by atmospheric-pressure microplasma processing. Nanotechnology, 2006, 17, 5976-5982.	1.3	54
33	Tissue distribution and clearance of intravenously administered titanium dioxide (TiO₂) nanoparticles. Nanotoxicology, 2014, 8, 132-141.	1.6	54
34	Pulmonary toxicity of well-dispersed cerium oxide nanoparticles following intratracheal instillation and inhalation. Journal of Nanoparticle Research, 2015, 17, 442.	0.8	54
35	Reactive Evaporation of Metal Wire and Microdeposition of Metal Oxide Using Atmospheric Pressure Reactive Microplasma Jet. Japanese Journal of Applied Physics, 2006, 45, 8228-8234.	0.8	53
36	Optical Transmittance of Indium Tin Oxide Nanoparticles Prepared by Laser-Induced Fragmentation in Water. Journal of Physical Chemistry B, 2006, 110, 12890-12895.	1.2	52

#	Article	IF	Citations
37	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
38	Development of wire spraying for direct micro-patterning via an atmospheric-pressure UHF inductively coupled microplasma jet. Surface and Coatings Technology, 2006, 200, 4251-4256.	2.2	50
39	Sol-Gel Preparation and Characterization of Ag-TiO2 Nanocomposite Thin Films. Journal of Sol-Gel Science and Technology, 2000, 19, 733-736.	1.1	49
40	Preparation of Pt/TiO2 nanocomposite thin films by pulsed laser deposition and their photoelectrochemical behaviors. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 145, 11-16.	2.0	47
41	A new preparation method of lanthanum cobalt oxide, LaCoO3, perovskite using electrochemical oxidation. Inorganic Chemistry, 1992, 31, 738-741.	1.9	45
42	Surfactantâ€Assisted Preparation of Novel Layered Silver Bromideâ€Based Inorganic/Organic Nanosheets by Pulsed Laser Ablation in Aqueous Media. Advanced Functional Materials, 2007, 17, 3554-3561.	7.8	44
43	Carbon and copper nanostructured materials syntheses by plasma discharge in a supercritical fluid environment. Journal of Materials Chemistry, 2004, 14, 1513.	6.7	43
44	Preparation of Feâ€“Pt alloy particles by pulsed laser ablation in liquid medium. Chemical Physics Letters, 2006, 428, 426-429.	1.2	42
45	A new preparation method of LaMnO3 perovskite using electrochemical oxidation. Journal of Solid State Chemistry, 1991, 91, 61-70.	1.4	40
46	The preparation of iron complex oxide nanoparticles by pulsed-laser ablation. Applied Surface Science, 1998, 127-129, 398-402.	3.1	40
47	Mechanism of optical transmittance change by NOx in CoO/SiO2 nanocomposites films. Sensors and Actuators B: Chemical, 2000, 66, 122-124.	4.0	40
48	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
49	Dispersion of nanosized noble metals in TiO2 matrix and their photoelectrode properties. Thin Solid Films, 2005, 483, 276-282.	0.8	39
50	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 43674-43683.	4.0	39
51	Ultraviolet emission from layered nanocomposites of Zn(OH)2 and sodium dodecyl sulfate prepared by laser ablation in liquid. Applied Physics Letters, 2005, 87, 063105.	1.5	38
52	One-step growth of silica nanotubes and simultaneous filling with indium sulfide nanorods. Journal of Materials Chemistry, 2004, 14, 248.	6.7	37
53	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
54	Temperature dependence of electrical conductance in single-crystalline boron nanobelts. Applied Physics Letters, 2005, 86, 212101.	1.5	35

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55	Kinetics and dissolution of intratracheally administered nickel oxide nanomaterials in rats. Particle and Fibre Toxicology, 2017, 14, 48.	2.8	33
56	Biopersistence of NiO and TiO2 Nanoparticles Following Intratracheal Instillation and Inhalation. International Journal of Molecular Sciences, 2017, 18, 2757.	1.8	31
57	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 22, 115-123.	1.1	30
58	Preparation and characterization of M/TiO 2 (M = Ag, Au, Pt) nanocomposite thin films. Scripta Materialia, 2001, 44, 1865-1868.	2.6	30
59	A New Preparation Method of LaMnO3 Perovskite Film on SrTiO3 Electrode. Journal of the Electrochemical Society, 1991, 138, 1259-1263.	1.3	29
60	Preparation of nanocrystalline titania films by pulsed laser deposition at room temperature. Applied Surface Science, 2002, 197-198, 624-627.	3.1	29
61	Pulsed-Laser-Induced Simple Synthetic Route for Tb3Al5O12:Ce3+ Colloidal Nanocrystals and Their Luminescent Properties. Nanoscale Research Letters, 2009, 4, 888-895.	3.1	29
62	Generation of room-temperature atmospheric H2/Ar microplasma jet driven with pulse-modulated ultrahigh frequency and its application to gold nanoparticle preparation. Applied Physics Letters, 2009, 94, 191504.	1.5	28
63	Dose-dependent clearance kinetics of intratracheally administered titanium dioxide nanoparticles in rat lung. Toxicology, 2014, 325, 1-11.	2.0	26
64	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
65	Zeolite LTA Nanoparticles Prepared by Laser-Induced Fracture of Zeolite Microcrystals. Journal of Physical Chemistry B, 2006, 110, 83-89.	1.2	25
66	Aging effect on blue luminescent silicon nanocrystals prepared byÂpulsed laser ablation of silicon wafer in de-ionized water. Applied Physics B: Lasers and Optics, 2009, 94, 133-139.	1.1	25
67	A New Approach for Hydroxyapatite Coating on Polymeric Materials Using Laser-Induced Precursor Formation and Subsequent Aging. ACS Applied Materials & Interfaces, 2009, 1, 1520-1524.	4.0	25
68	Characterization of nanocomposite materials prepared via laser ablation of Pt/TiO2 bi-combinant targets. Chemical Physics Letters, 1999, 301, 336-342.	1.2	24
69	Optical CO gas sensing using nanostructured NiO and NiO/SiO2 nanocomposites fabricated by PLD and solâ€“gel methods. Applied Physics A: Materials Science and Processing, 2004, 79, 1303-1305.	1.1	24
70	Unconventional Lithography for Hierarchical Micro-/Nanostructure Arrays with Well-Aligned 1D Crystalline Nanostructures: Design and Creation Based on the Colloidal Monolayer. ACS Applied Materials & Interfaces, 2009, 1, 2580-2585.	4.0	24
71	Innovative Platform for Transmission Localized Surface Plasmon Transducers and Its Application in Detecting Heavy Metal Pd(II). Analytical Chemistry, 2009, 81, 7703-7712.	3.2	23
72	Controlled Cobalt Oxide from Two-Dimensional Films to One-Dimensional Nanorods and Zero-Dimensional Nanoparticles: Morphology-Dependent Optical Carbon Monoxide Gas-Sensing Properties. Journal of Physical Chemistry C, 2009, 113, 15948-15954.	1.5	23

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73	A gas-sensing nanocomposite. Scripta Materialia, 1999, 12, 971-974.	0.5	22
74	Comparison between whole-body inhalation and nose-only inhalation on the deposition and health effects of nanoparticles. Environmental Health and Preventive Medicine, 2016, 21, 42-48.	1.4	22
75	Silicon nanocrystals formed by pulsed laser-induced fragmentation of electrochemically etched Si micrograins. Chemical Physics Letters, 2006, 429, 483-487.	1.2	21
76	Dependence of photocurrent in single-crystalline boron nanobelts on atmosphere. Applied Physics Letters, 2006, 89, 243121.	1.5	21
77	Simple synthetic route for hydroxyapatite colloidal nanoparticles via a Nd:YAG laser ablation in liquid medium. Applied Physics A: Materials Science and Processing, 2009, 96, 435-440.	1.1	21
78	Fabrication of carbon nanotube assemblies on Niâ€“Mo substrates mimics law of natural forest growth. Chemical Physics Letters, 2003, 370, 774-780.	1.2	20
79	Cylindrical Metal Wire Surface Coating with Multiwalled Carbon Nanotubes by an Atmospheric-Pressure Microplasma CVD Technique. Chemical Vapor Deposition, 2005, 11, 244-249.	1.4	20
80	Aerosol Generation by a Spray-Drying Technique Under Coulomb Explosion and Rapid Evaporation for the Preparation of Aerosol Particles for Inhalation Tests. Aerosol Science and Technology, 2014, 48, 698-705.	1.5	20
81	Aggregation of Silicon Nanocrystals Prepared by Laser Ablation in Deionized Water. Journal of Laser Micro Nanoengineering, 2007, 2, 15-20.	0.4	20
82	Preparation of Pt/TiO2 nanocomposite films using co-sputtering method. Scripta Materialia, 1997, 8, 1077-1083.	0.5	19
83	Effect of Alkyl Chain Length on Layered Structure of Zn Nanocomposites Prepared by Laser Ablation of Zn in Aqueous Solution of Sodium Alkyl Sulfate. Chemistry Letters, 2005, 34, 700-701.	0.7	19
84	Quantum confinement effect of nanocrystalline GaN films prepared by pulsed-laser ablation under various Ar pressures. Thin Solid Films, 2005, 471, 273-276.	0.8	18
85	Pulmonary clearance kinetics and extrapulmonary translocation of seven titanium dioxide nano- and submicron materials following intratracheal administration in rats. Nanotoxicology, 2015, 9, 1050-1058.	1.6	18
86	Photoelectrochemical epitaxial growth of Co oxides on TiO2 and SrTiO3 single-crystal electrodes. Journal of Electroanalytical Chemistry, 1994, 369, 251-254.	1.9	17
87	Preparation of Au/ZnO nanocomposites by radio frequency co-sputtering. Solar Energy Materials and Solar Cells, 2001, 70, 363-368.	3.0	17
88	Preparation of Pt/TiO2 nanocomposite films by 2-beam pulsed laser deposition. Applied Surface Science, 2002, 197-198, 619-623.	3.1	17
89	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
90	Effect of La3+ ion on the electrodeposition of manganese and cobalt oxides. Journal of Electroanalytical Chemistry, 1994, 371, 241-249.	1.9	16

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91	Preparation of M/TiO2 (M = Au, Pt) nanocomposite films using co-sputtering method. Scripta Materialia, 1999, 12, 511-514.	0.5	16
92	Ambient gas effects on iron oxide particle aggregated films prepared by laser ablation. Scripta Materialia, 2001, 44, 1869-1872.	2.6	15
93	Photoluminescence in Si/ZnO nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 113, 24-29.	1.7	15
94	[sup 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
95	Mg-doping experiment and electrical transport measurement of boron nanobelts. Journal of Solid State Chemistry, 2006, 179, 2799-2804.	1.4	15
96	Categorization of nano-structured titanium dioxide according to physicochemical characteristics and pulmonary toxicity. Toxicology Reports, 2016, 3, 490-500.	1.6	15
97	Electrochemical Synthesis of La_{1-x}Sr_xMnO₃Perovskite Films. Electrochemistry, 1990, 58, 567-568.	0.3	14
98	Effect of La3+ ions on the deposition of nickel oxide. Electrochimica Acta, 1993, 38, 1145-1146.	2.6	14
99	Blue luminescence from amorphous GaN films deposited by pulsed-laser ablation at room temperature. Thin Solid Films, 2005, 472, 11-15.	0.8	14
100	Preparation of Pd/TiO 2 nanocomposite by magnetron sputtering. Scripta Materialia, 2001, 44, 1817-1820.	2.6	13
101	Pressure-controlled preparation of nanocrystalline complex oxides using pulsed-laser ablation at room temperature. Applied Physics A: Materials Science and Processing, 2003, 76, 641-643.	1.1	13
102	Fabrication of crystallized boron films by laser ablation. Journal of Solid State Chemistry, 2004, 177, 1639-1645.	1.4	13
103	Fabrication of Iron Oxide Nanoparticles by Pulsed-Laser Ablation. Materials Research Society Symposia Proceedings, 1998, 526, 67.	0.1	12
104	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
105	Pulsed laser deposition of semiconductor-ITO composite films on electric-field-applied substrates. Applied Surface Science, 2002, 197-198, 438-441.	3.1	12
106	Seebeck Coefficient and Power Factor of Single-Crystalline Boron Nanobelts. Applied Physics Express, 2011, 4, 041201.	1.1	12
107	Electroless Deposition of LaMnO3 Perovskite Film on Yttria Stabilized Zirconia Substrate. Journal of Solid State Chemistry, 1993, 105, 255-262.	1.4	11
108	Photoelectrode Properties of Nanocomposite Thin Films Based on Interfacing Nanosized Noble Metal and TiO[sub 2]. Electrochemical and Solid-State Letters, 2002, 5, A256.	2.2	11

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109	Electrical transport of tetragonal boron nanobelts. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2510.	1.6	11
110	Submicron-Sized Boron Carbide Particles Encapsulated in Turbostratic Graphite Prepared by Laser Fragmentation in Liquid Medium. Journal of Nanoscience and Nanotechnology, 2010, 10, 5467-5470.	0.9	11
111	Analysis of hydration number in cobalt oxyhydroxide films using the quartz crystal microbalance. Journal of Electroanalytical Chemistry, 1995, 395, 45-49.	1.9	10
112	Nanostructure and chemical state of nanocomposites prepared by co-sputtering method. Scripta Materialia, 1997, 9, 587-590.	0.5	10
113	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
114	Fabrication of Mixed Zn/Cu-Bound Polyimine Microspheres with Fine-Tuned Diameter and Internal Gradation of Metal Composition. Advanced Materials, 2005, 17, 606-610.	11.1	9
115	Photoelectrochemical behavior of Pt/TiO2 nanocomposite thin films prepared by pulsed laser deposition. Applied Surface Science, 2002, 197-198, 684-687.	3.1	8
116	Crystallized SrFeO3â^'x films deposited by pulsed laser ablation without in-situ substrate heating. Thin Solid Films, 2003, 437, 95-100.	0.8	8
117	Room-temperature deposition of nanocrystalline CaWO4 films by pulsed laser and their optical properties. Journal of Applied Physics, 2006, 99, 086103.	1.1	8
118	Electron energy-loss and soft X-ray emission study of boron nanobelts. Journal of Physics: Conference Series, 2009, 176, 012029.	0.3	8
119	Effect of target modification on deposition rates of hexaphenyldisilane by laser ablation. Applied Surface Science, 1999, 140, 90-98.	3.1	7
120	Determination of optical constants of Si/ZnO polycrystalline nanocomposites by spectroscopic ellipsometry. Journal of Materials Research, 2001, 16, 3554-3559.	1.2	7
121	Parameter effect on the crystallization of Nd:yttrium aluminum garnet laser-ablated TiO2 thin film. Journal of Materials Research, 2001, 16, 3158-3161.	1.2	7
122	Laser ablation of iron oxide in various ambient gases. Applied Surface Science, 2002, 197-198, 883-886.	3.1	7
123	Effect of plasma conditions on fabrication of multi-walled carbon nanotubes grown perpendicularly on Hastelloy C276Â®. Diamond and Related Materials, 2005, 14, 11-15.	1.8	7
124	Formation Process of Platelet Nanocomposites with Zinc Hydroxide and Sodium Dodecyl Sulfate Prepared by Laser Ablation in Solution. Chemistry Letters, 2006, 35, 752-753.	0.7	7
125	Topological analysis of Au particles in Au/SiO2nanocomposite films designed for molecular conduction measurement through Voronoi diagram. Nanotechnology, 2007, 18, 145703.	1.3	7
126	Dense growth of multiply-twinned star-shaped molybdenum particles by atmospheric H2/Ar microplasma jet. CrystEngComm, 2009, 11, 1940.	1.3	7

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127	Quantitative evaluation of the pulmonary microdistribution of TiO₂ nanoparticles using Xâ€ray fluorescence microscopy after intratracheal administration with a microsprayer in rats. Journal of Applied Toxicology, 2015, 35, 623-630.	1.4	7
128	Effects of dose volume and delivery device on bronchoalveolar lavage parameters of intratracheally administered nano-sized TiO2 in rats. Regulatory Toxicology and Pharmacology, 2016, 81, 233-241.	1.3	7
129	Electron Beam Induced Structural Modification of the Oxidized Silicon Micro-Clusters in ZnO Matrix. Microscopy Microanalysis Microstructures, 1997, 8, 403-411.	0.4	7
130	A direct comparison of sizes characterized by TEM and AFM for Fe2O3 nanoparticles prepared by laser ablation. Applied Physics A: Materials Science and Processing, 1999, 69, S253-S255.	1.1	6
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	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
133	Photoelectrochemical Behavior of the Pt/TiO₂ Nanocomposite Electrodes Prepared by Co-sputter Deposition. Electrochemistry, 2004, 72, 443-445.	0.6	5
134	Preparation of nanoparticles by excimer laser ablation of calcium iron complex oxide. AICHE Journal, 1997, 43, 2636-2640.	1.8	4
135	Preparation of Gold/Iron Oxide Composite Nanoparticles by a Laser-Soldering Method. IEEE Transactions on Magnetics, 2006, 42, 3620-3622.	1.2	4
136	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
137	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
138	Carrier doping into boron nanobelts by neutron transmutation. Applied Physics Letters, 2010, 97, 212105.	1.5	4
139	Quantitative evaluation of local pulmonary distribution of TiO₂ in rats following single or multiple intratracheal administrations of TiO₂ nanoparticles using Xâ€ray fluorescence microscopy. Journal of Applied Toxicology, 2016, 36, 1268-1275.	1.4	4
140	Nanostructure and photoluminescence property of and co-sputtered films. Scripta Materialia, 1999, 12, 975-978.	0.5	3
141	Improvement in Electrical Conductivity of Indium Tin Oxide Films Prepared via Pulsed Laser Deposition on Electric-Field-Applied Substrates. Japanese Journal of Applied Physics, 2002, 41, 3760-3761.	0.8	3
142	Comparison of Photoelectrode Properties Between TiO[sub 2] Thin Films Doped with Tantalum and Dispersed with Nanosize Gold. Electrochemical and Solid-State Letters, 2004, 7, A172.	2.2	3
143	Localized Deposition Technique using an Atmospheric-pressure Microplasma Jet for On-demand Material Processing. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2006, 19, 235-240.	0.1	3
144	FePt Nanoparticles Fabricated by Pulsed Laser Ablation. Journal of Nanoscience and Nanotechnology, 2009, 9, 1454-1457.	0.9	3

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145	Special Articles on Technology and Its Characterization for Synthesis of Inorganic Materials. Electrochemical Synthesis of Manganese Complex Oxide at Elevated Temperature under High pressure.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 1413-1419.	0.1	2
146	Characterization of co-sputtered Si/MgO films â€" a comparison with Si/SiO2 and Si/Al2O3 films. Scripta Materialia, 1997, 8, 1085-1092.	0.5	2
147	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
148	SYNTHESIS AND CHARACTERIZATION OF Au/ZnO NANOCOMPOSITES. Modern Physics Letters B, 2001, 15, 679-682.	1.0	2
149	Preparation of Oxide Nanomaterials Using Pulsed Laser Ablation. The Review of Laser Engineering, 2005, 33, 18-23.	0.0	2
150	Localized deposition of metallic molybdenum particles in ambient air using atmospheric-pressure microplasma. , 2007, , .		2
151	Time-course comparison of pulmonary inflammation induced by intratracheal instillation of four different nickel oxide nanoparticles in male Fischer rats. Journal of Toxicologic Pathology, 2021, 34, 43-55.	0.3	2
152	Preparation of LaFeO₃ Perovskite Thin Films by Radio Frequency Magnetron Sputtering and Their Electrical Conductivities. Electrochemistry, 2001, 69, 171-176.	0.6	1
153	Photoelectrochemical Behaviors of Pt/TiO₂ Nanocomposite thin films Electrodes Prepared by PLD/Sputtering Combined System. Materials Research Society Symposia Proceedings, 2004, 846, DD8.10.1.	0.1	1
154	Target density and surface state effects on the compositional changes in iron oxide particle aggregated films prepared by laser ablation. Applied Physics A: Materials Science and Processing, 2005, 80, 145-149.	1.1	1
155	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
156	Electrochemical behavior of the Lnî—¸Ni-oxide/Pt electrode in alkaline solution. Journal of Electroanalytical Chemistry, 1997, 434, 235-237.	1.9	0
157	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
158	Optical Gas Sensor Using Cobalt Oxide Thin Film Prepared by Pulsed Laser Ablation. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
159	Microplasma Synthesis of Carbon Nanostructured Materials. Advances in Science and Technology, 2006, 48, 9-16.	0.2	0
160	Preparation of Layered Inorganic/Organic Nanocomposites by Nanosecond Pulsed Laser Ablation of Ag in Liquids. Journal of Nanoscience and Nanotechnology, 2011, 11, 11162-11166.	0.9	0
161	Fabrication of inorganic nanomaterials by pulsed laser ablation in liquid phase. The Review of Laser Engineering, 2005, 33, 106-107.	0.0	0
162	Room temperature photoluminescence of the freestanding silicon nanocrystals. Transactions of the Materials Research Society of Japan, 2008, 33, 659-663.	0.2	0

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163	Sample Preparation and theÂCharacterization for Intratracheal Administration. Current Topics in Environmental Health and Preventive Medicine, 2019, , 123-144.	0.1	0