

Masanori Ando

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.

64
papers

1,586
citations

22
h-index

38
g-index

69
ext. papers

1,699
ext. citations

5.6
avg, IF

4.41
L-index

#	Paper	IF	Citations
64	Reversible sensing of nitrogen dioxide using photoluminescent CdSe/ZnS quantum dots and enhanced response by combination with noble metals. <i>Journal of the Ceramic Society of Japan</i> , 2022 , 130, 180-186	1	1
63	Efficient NIR-to-Visible Upconversion of Surface-Modified PbS Quantum Dots for Photovoltaic Devices. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9680-9688	5.6	4
62	Photoluminescent Ozone Sensor with Enhanced Sensitivity by Using CdSe/ZnS Quantum Dots Modified with Gold and Platinum. <i>Analytical Sciences</i> , 2020 , 36, 989-995	1.7	4
61	Development of Technologies for Sensing Ozone in Ambient Air. <i>Analytical Sciences</i> , 2018 , 34, 263-271	1.7	9
60	Development of Bright Phosphors Using Glasses Incorporating Semiconductor Nanoparticles 2018 , 597-600		
59	Light wavelengths of LEDs to improve the color discrimination in Ishihara test and Farnsworth Panel D-15 test for deuterans. <i>Color Research and Application</i> , 2017 , 42, 424-430	1.3	1
58	Reversible photoluminescence sensing of gaseous alkylamines using CdSe-based quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 1074-1079	8.5	4
57	Sensing of ozone based on its quenching effect on the photoluminescence of CdSe-based core-shell quantum dots. <i>Mikrochimica Acta</i> , 2016 , 183, 3019-3024	5.8	8
56	Cytotoxicity of CdSe-based quantum dots incorporated in glass nanoparticles evaluated using human keratinocyte HaCaT cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 210-3	2.1	7
55	2-Hydrazinoquinoline: a reactive matrix for matrix-assisted laser desorption/ionization mass spectrometry to detect gaseous carbonyl compounds. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 83-90	1.1	8
54	Hydrazide and hydrazine reagents as reactive matrices for MALDI-MS to detect gaseous aldehydes. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 742-9	2.2	17
53	From metal-organic framework to intrinsically fluorescent carbon nanodots. <i>Chemistry - A European Journal</i> , 2014 , 20, 8279-82	4.8	50
52	CdSe/Cd _{1-x} Zn _x S core/shell quantum dots with tunable emission: growth and morphology evolution. <i>Journal of Materials Science</i> , 2013 , 48, 651-658	4.3	6
51	Au/SiO ₂ /QD core/shell/shell nanostructures with plasmonic-enhanced photoluminescence. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	9
50	Electroluminescence of Hybrid Self-Organised Fibres Incorporating CdTe Quantum Dots. <i>Australian Journal of Chemistry</i> , 2012 , 65, 1257	1.2	4
49	Silica encapsulation of highly luminescent hydrophobic quantum dots by two-step microemulsion method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 24-31	5.1	27
48	Multiple hydrophobic QDs assembled in SiO ₂ particles using silane coupling agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 397, 92-98	5.1	4

47	Development of bright phosphors using glasses incorporating semiconductor nanoparticles 2012 , 558-561		
46	Various Au nanoparticle organizations fabricated through SiO ₂ monomer induced self-assembly. <i>Langmuir</i> , 2011 , 27, 895-901	4	17
45	Highly luminescent CdSe/Cd(x)Zn(1-x)S quantum dots coated with thickness-controlled SiO ₂ shell through silanization. <i>Langmuir</i> , 2011 , 27, 9535-40	4	70
44	Aqueous Preparation of Highly Luminescent CdSe/ZnS Nanocrystals through Photochemical Processing. <i>Chemistry Letters</i> , 2011 , 40, 258-260	1.7	3
43	Synthesis and photoluminescence of bright water-soluble CdSe/ZnS quantum dots overcoated by hybrid organic shell. <i>Materials Letters</i> , 2011 , 65, 3146-3149	3.3	11
42	Facile synthesis of highly luminescent CdSe/CdxZn1-xS quantum dots with widely tunable emission spectra. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 390, 207-211	5.1	6
41	Highly Luminescent CdSe/CdxZn1-xS Quantum Dots with Narrow Spectrum and Widely Tunable Wavelength. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14455-14460	3.8	53
40	Hybrid SiO ₂ -coated nanocrystal-based heterostructures: Assembly, morphology transition, and photoluminescence at room temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 289-296	5.1	5
39	Highly luminescent SiO ₂ beads with multiple QDs: Preparation conditions and size distributions. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 455-60	9.3	11
38	Controlled self-assembly of hydrophobic quantum dots through silanization. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 9-15	9.3	7
37	Encapsulation of Multiple QDs into SiO ₂ Beads by Reflux without Degrading Initial Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 20962-20967	3.8	14
36	Silica-coated CdTe Quantum Dots of Unchanged Size with Intense Photoluminescence at Various Wavelengths. <i>Physics Procedia</i> , 2010 , 3, 1553-1555		5
35	Morphology- and Color-Tunable Bright Fibers with High Concentration of CdTe Nanocrystals Assembled through Sol-Gel Reaction. <i>Advanced Materials</i> , 2009 , 21, 4016-4019	24	27
34	Formation of two types of highly luminescent SiO ₂ beads impregnated with multiple CdTe QDs. <i>New Journal of Chemistry</i> , 2009 , 33, 561-567	3.6	27
33	Preparation of SiO ₂ beads with highly luminescent and magnetic nanocrystals via a modified reverse micelle process. <i>New Journal of Chemistry</i> , 2009 , 33, 1457	3.6	13
32	Highly Luminescent Water-Soluble InP/ZnS Nanocrystals Prepared via Reactive Phase Transfer and Photochemical Processing. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20190-20199	3.8	51
31	Facile Preparation of Highly Luminescent InP Nanocrystals by a Solvothermal Route. <i>Chemistry Letters</i> , 2008 , 37, 856-857	1.7	13
30	Synthesis of Cd-free water-soluble ZnSe(1-x)Te(x) nanocrystals with high luminescence in the blue region. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 468-76	9.3	35

29	Blue-emitting small silica particles incorporating ZnSe-based nanocrystals prepared by reverse micelle method. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 52971		4
28	Highly luminescent water-soluble ZnSe nanocrystals and their incorporation in a glass matrix. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 294, 33-39	5.1	27
27	Encapsulation of emitting CdTe QDs within silica beads to retain initial photoluminescence efficiency. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 420-7	9.3	43
26	Comparison of Brightness of Emitting Semiconductor Nanocrystals with That of Rare-Earth Phosphor. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 7545-7548	1.4	2
25	Blue-emitting Type-II Semiconductor Nanocrystals with High Efficiency Prepared by Aqueous Method. <i>Chemistry Letters</i> , 2007 , 36, 438-439	1.7	10
24	Recent advances in optochemical sensors for the detection of H ₂ , O ₂ , O ₃ , CO, CO ₂ and H ₂ O in air. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 937-948	14.6	57
23	Optical ozone-sensing properties of poly(2-chloroaniline), poly(N-methylaniline) and polyaniline films. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 528-534	8.5	24
22	Electroluminescence of Ti- and Ca-doped YAlO ₃ crystals in the visible region. <i>Materials Letters</i> , 2005 , 59, 3941-3944	3.3	3
21	Third-order nonlinear optical responses of nanoparticulate Co ₃ O ₄ films. <i>Thin Solid Films</i> , 2004 , 446, 271-276		26
20	Optical and electrical H ₂ and NO ₂ -sensing properties of Au/In _x O _y /N _z films. <i>IEEE Sensors Journal</i> , 2004 , 4, 232-236	4	8
19	Formation of Luminescent CdTe/Silica Nanoparticles through an Inverse Microemulsion Technique. <i>Chemistry Letters</i> , 2004 , 33, 434-435	1.7	45
18	Optical CO sensitivity of Au/TiO ₂ composite film by use of the plasmon absorption change. <i>Sensors and Actuators B: Chemical</i> , 2003 , 96, 589-595	8.5	72
17	Photoluminescence Properties and Zeta Potential of Water-Dispersible CdTe Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 789, 322		
16	Optical ozone detection by use of polyaniline film. <i>Solid State Ionics</i> , 2002 , 152-153, 819-822	3.3	14
15	Optical hydrogen sensitivity of noble metal/tungsten oxide composite films prepared by sputtering deposition. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 13-17	8.5	65
14	?????????????????. <i>Electrochemistry</i> , 2001 , 69, 872-875	1.2	5
13	Nonlinear Optical Responses of Spin-Coated Vanadium Oxide Films. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 637, E5.19.1		3
12	Effect of UV light irradiation on the morphology of pyrolyzed Co ₃ O ₄ films. <i>Solid State Ionics</i> , 2000 , 136-137, 1291-1293	3.3	5

11	Optical humidity sensitivity of plasma-oxidized nickel oxide films. <i>Solid State Ionics</i> , 1999 , 121, 307-311	3.3	15
10	Electrochromic properties of spin-coated nickel oxide films. <i>Solid State Ionics</i> , 1998 , 113-115, 443-447	3.3	21
9	Optical recognition of CO and H ₂ by use of gas-sensitive Au/Cu ₂ O composite films. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1779-1783		193
8	Combined effects of small gold particles on the optical gas sensing by transition metal oxide films. <i>Catalysis Today</i> , 1997 , 36, 135-141	5.3	84
7	Humidity-sensitive optical absorption of Co ₃ O ₄ film. <i>Sensors and Actuators B: Chemical</i> , 1996 , 32, 157-168	8.5	55
6	Large optical CO sensitivity of NO ₂ -pretreated Au/NiO composite films. <i>Sensors and Actuators B: Chemical</i> , 1996 , 36, 513-516	8.5	18
5	Large third-order optical nonlinearities in transition-metal oxides. <i>Nature</i> , 1995 , 374, 625-627	50.4	152
4	Optical CO detection by use of CuO/Au composite films. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 851-853	8.5	43
3	Enhancement in the optical CO sensitivity of NiO film by the deposition of ultrafine gold particles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 1011		36
2	Enhancing effect of gold deposition in the optical detection of reducing gases in air by metal oxide thin films. <i>Sensors and Actuators B: Chemical</i> , 1993 , 14, 545-546	8.5	22
1	Near-infrared-to-visible upconversion from 980 nm excitation band by binary solid of PbS quantum dot with directly attached emitter. <i>Journal of Materials Chemistry C</i> ,	7.1	0