

Xiangyou Li

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.

147
papers

4,115
citations

34
h-index

59
g-index

176
ext. papers

4,847
ext. citations

4.3
avg, IF

5.48
L-index

#	Paper	IF	Citations
147	Classification accuracy improvement of portable laser-induced breakdown spectroscopy based on spectral feature augmentation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022 , 106375	3.1	1
146	Laser generated WS ₂ quantum dots for effective charge transport in high-performance carbon-based perovskite solar cells. <i>Journal of Power Sources</i> , 2022 , 518, 230766	8.9	0
145	Preparation of spherical silver and tin dioxide nanocomposites with the high photocatalytic performance by laser-induced deposition in liquid medium. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163522	5.7	0
144	Laser induced anti-solvent carbon quantum dots in defect passivation for effective perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161561	5.7	6
143	Constructing a hybrid high-performance photocatalyst by selective laser precisely heating in nanoscale. <i>Applied Surface Science</i> , 2022 , 588, 152946	6.7	1
142	Bessel beams: a potential strategy for laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 2756-2762	3.7	1
141	Determination of nutrient profile in plant materials using laser-induced breakdown spectroscopy with partial least squares-artificial neural network hybrid model: erratum. <i>Optics Express</i> , 2021 , 29, 20687-3	3.3	3
140	Selective laser-induced preparation of metal-semiconductor nanocomposites and application for enhanced photocatalytic performance in the degradation of organic pollutants. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159062	5.7	4
139	Sensitive analysis of fluorine and chlorine elements in water solution using laser-induced breakdown spectroscopy assisted with molecular synthesis. <i>Talanta</i> , 2021 , 224, 121784	6.2	10
138	Study on the spectral characteristics and analytical performance of pulverized coal using laser-induced breakdown spectroscopy under a fast physical constraint. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1210-1216	3.7	1
137	Determination of boron in aqueous solution using a method combining laser ablation molecular isotopic spectrometry with molecular laser-induced fluorescence and isotopic dilution. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 607-613	3.7	3
136	Silicon determination in steel with molecular emission using laser-induced breakdown spectroscopy combined with laser-induced molecular fluorescence. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 375-379	3.7	3
135	Determination of fluorine in copper concentrate via CaF molecules using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1735-1741	3.7	0
134	The distribution of high-quality internal standard lines and their selection method based on the λ -value in portable laser-induced breakdown spectroscopy. <i>Analytical Methods</i> , 2021 , 13, 3829-3836	3.2	1
133	The validity of nanoparticle enhanced molecular laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1034-1040	3.7	1
132	Fast detection of harmful trace elements in glycyrrhiza using standard addition and internal standard method (Laser-induced breakdown spectroscopy (SAIS-LIBS)). <i>Microchemical Journal</i> , 2021 , 168, 106408	4.8	5
131	High-sensitivity determination of available cobalt in soil using laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Applied Optics</i> , 2021 , 60, 9062-9066	1.7	0

130	Laser fabricated carbon quantum dots in anti-solvent for highly efficient carbon-based perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 691-700	9.3	6
129	A review of laser-induced breakdown spectroscopy for coal analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116357	14.6	7
128	Determination of fluorine content in rocks using laser-induced breakdown spectroscopy assisted with radical synthesis. <i>Talanta</i> , 2021 , 234, 122712	6.2	3
127	Laser induced core-shell liquid metal quantum dots for high-efficiency carbon-based perovskite solar cells. <i>Applied Surface Science</i> , 2021 , 565, 150470	6.7	3
126	Spectral clustering based on histogram of oriented gradient (HOG) of coal using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1297-1305	3.7	
125	Determination of micronutrient elements in soil using laser-induced breakdown spectroscopy assisted by laser-induced fluorescence. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 614-621	3.7	4
124	Lead of detection in rhododendron leaves using laser-induced breakdown spectroscopy assisted by laser-induced fluorescence. <i>Science of the Total Environment</i> , 2020 , 738, 139402	10.2	9
123	Rapid online analysis of trace elements in steel using a mobile fiber-optic laser-induced breakdown spectroscopy system. <i>Plasma Science and Technology</i> , 2020 , 22, 074013	1.5	6
122	Accurate sulfur determination of coal using double-pulse laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1458-1463	3.7	4
121	Quantitative analysis of coal quality by laser-induced breakdown spectroscopy assisted with different chemometric methods. <i>Analytical Methods</i> , 2020 , 12, 3530-3536	3.2	6
120	An image features assisted line selection method in laser-induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2020 , 1111, 139-146	6.6	6
119	Interference correction for laser-induced breakdown spectroscopy using a deconvolution algorithm. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 762-766	3.7	2
118	Effects of circular beam oscillation technique on formability and solidification behaviour of selective laser melted Inconel 718: From single tracks to cuboid samples. <i>Journal of Materials Science and Technology</i> , 2020 , 51, 137-150	9.1	16
117	Determination of uranium in ores using laser-induced breakdown spectroscopy combined with laser-induced fluorescence. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 626-631	3.7	9
116	Determination of fluorine in copper ore using laser-induced breakdown spectroscopy assisted by the SrF molecular emission band. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 754-761	3.7	11
115	Sulfur determination in laser-induced breakdown spectroscopy combined with resonance Raman scattering. <i>Talanta</i> , 2020 , 216, 120968	6.2	9
114	Determination of the nutrient profile in plant materials using laser-induced breakdown spectroscopy with partial least squares-artificial neural network hybrid models. <i>Optics Express</i> , 2020 , 28, 23037-23047	3.3	8
113	Self-absorption reduction in laser-induced breakdown spectroscopy using laser-stimulated absorption: publisher's note. <i>Optics Letters</i> , 2020 , 45, 2173	3	

112	Improving the Sensitivity of Surface-Enhanced Laser-Induced Breakdown Spectroscopy by Repeating Sample Preparation. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	4
111	A review of remote laser-induced breakdown spectroscopy. <i>Applied Spectroscopy Reviews</i> , 2020 , 55, 1-25	4.5	29
110	Investigation of excitation interference in laser-induced breakdown spectroscopy assisted with laser-induced fluorescence for chromium determination in low-alloy steels. <i>Optics and Lasers in Engineering</i> , 2020 , 124, 105834	4.6	4
109	Determination of chlorine with radical emission using laser-induced breakdown spectroscopy coupled with partial least square regression. <i>Talanta</i> , 2019 , 198, 93-96	6.2	12
108	Investigation on the reduction of self-absorption effects in quantitative analysis using fiber laser ablation laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 1606-1610	3.7	6
107	Laser-induced molecular fluorescence diagnosis of aluminum monoxide evolution in laser-induced plasma. <i>Laser Physics Letters</i> , 2019 , 16, 055701	1.5	3
106	The detection of petroleum contaminants in soil based on multiphoton electron extraction spectroscopy. <i>Analytical Methods</i> , 2019 , 11, 2611-2616	3.2	0
105	Micro-destructive analysis with high sensitivity using double-pulse resonant laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 1198-1204	3.7	11
104	High-sensitivity determination of cadmium and lead in rice using laser-induced breakdown spectroscopy. <i>Food Chemistry</i> , 2019 , 272, 323-328	8.5	57
103	A quantitative analysis method assisted by image features in laser-induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2019 , 1082, 30-36	6.6	10
102	Isotopic determination with molecular emission using laser-induced breakdown spectroscopy and laser-induced radical fluorescence. <i>Optics Express</i> , 2019 , 27, 470-482	3.3	8
101	Experimental investigation of laser-induced breakdown spectroscopy assisted with laser-induced fluorescence for trace aluminum detection in steatite ceramics. <i>Applied Optics</i> , 2019 , 58, 1895-1899	1.7	1
100	Classification accuracy improvement by data preprocessing in handheld laser-induced breakdown spectroscopy. <i>Analytical Methods</i> , 2019 , 11, 5177-5184	3.2	5
99	Portable fiber-optic laser-induced breakdown spectroscopy system for the quantitative analysis of minor elements in steel. <i>Plasma Science and Technology</i> , 2019 , 21, 034006	1.5	8
98	Improvement of spectral intensity and resolution with fiber laser for on-stream slurry analysis in laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019 , 152, 38-43	3.1	7
97	Sensitive determination of silicon contents in low-alloy steels using micro laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Talanta</i> , 2019 , 194, 697-702	6.2	11
96	Quantitative analysis of steel and iron by laser-induced breakdown spectroscopy using GA-KELM. <i>Plasma Science and Technology</i> , 2019 , 21, 034020	1.5	5
95	Determination of yttrium in titanium alloys using laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 658-662	3.7	12

94	In situ classification of rocks using stand-off laser-induced breakdown spectroscopy with a compact spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 461-467	3.7	24
93	Evaluation of sample preparation methods for rice geographic origin classification using laser-induced breakdown spectroscopy. <i>Journal of Cereal Science</i> , 2018 , 80, 111-118	3.8	37
92	Accuracy improvement of boron by molecular emission with a genetic algorithm and partial least squares regression model in laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 205-209	3.7	33
91	Cluster analysis of polymers using laser-induced breakdown spectroscopy with K-means. <i>Plasma Science and Technology</i> , 2018 , 20, 065505	1.5	11
90	Determination of boron with molecular emission using laser-induced breakdown spectroscopy combined with laser-induced radical fluorescence. <i>Optics Express</i> , 2018 , 26, 2634-2642	3.3	25
89	Multielemental self-absorption reduction in laser-induced breakdown spectroscopy by using microwave-assisted excitation. <i>Optics Express</i> , 2018 , 26, 12121	3.3	38
88	Analytical-performance improvement of laser-induced breakdown spectroscopy for the processing degree of wheat flour using a continuous wavelet transform. <i>Applied Optics</i> , 2018 , 57, 3730-3737	1.7	11
87	Long-term repeatability improvement of quantitative LIBS using a two-point standardization method. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1564-1570	3.7	6
86	One-point and multi-line calibration method in laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2018 , 26, 22926-22933	3.3	18
85	Investigation on self-absorption reduction in laser-induced breakdown spectroscopy assisted with spatially selective laser-stimulated absorption. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1683-1688	3.7	16
84	Accuracy improvement of iron ore analysis using laser-induced breakdown spectroscopy with a hybrid sparse partial least squares and least-squares support vector machine model. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1330-1335	3.7	21
83	Laser-induced breakdown spectroscopy assisted chemometric methods for rice geographic origin classification. <i>Applied Optics</i> , 2018 , 57, 8297-8302	1.7	18
82	Determination of antimony in soil using laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Applied Optics</i> , 2018 , 57, 8942-8946	1.7	15
81	Classification accuracy improvement of laser-induced breakdown spectroscopy based on histogram of oriented gradients features of spectral images. <i>Optics Express</i> , 2018 , 26, 28996-29004	3.3	4
80	Spreading a water droplet through filter paper on the metal substrate for surface-enhanced laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2018 , 26, 30456-30465	3.3	11
79	New spectral reduction algorithm for echelle spectrometer in laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2018 , 26, 34131-34141	3.3	2
78	Analytical-performance improvement of aqueous solution by chemical replacement combined with surface-enhanced laser-induced breakdown spectroscopy. <i>Applied Optics</i> , 2018 , 57, 7135-7139	1.7	6
77	Determination of Trace Available Heavy Metals in Soil Using Laser-Induced Breakdown Spectroscopy Assisted with Phase Transformation Method. <i>Analytical Chemistry</i> , 2018 , 90, 7080-7085	7.8	50

76	Identification of cervical cancer using laser-induced breakdown spectroscopy coupled with principal component analysis and support vector machine. <i>Lasers in Medical Science</i> , 2018 , 33, 1381-1386	3.1	23
75	Spectral Interference Elimination in Soil Analysis Using Laser-Induced Breakdown Spectroscopy Assisted by Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2017 , 89, 2334-2337	7.8	50
74	Fabrication of metal/semiconductor nanocomposites by selective laser nano-welding. <i>Nanoscale</i> , 2017 , 9, 7012-7015	7.7	17
73	Investigation on the Formation Mechanism of Hollow Spheres Prepared by Pulsed Laser Selective Heating Colloidal Nanoparticles in Solution. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12469-12475	3.8	8
72	Wavelet-based interference correction for laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 2401-2406	3.7	26
71	Evaluation of the self-absorption reduction of minor elements in laser-induced breakdown spectroscopy assisted with laser-stimulated absorption. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 2189-2193	3.7	23
70	Determination of Carbon Content in Steels Using Laser-Induced Breakdown Spectroscopy Assisted with Laser-Induced Radical Fluorescence. <i>Analytical Chemistry</i> , 2017 , 89, 8134-8139	7.8	37
69	Simultaneous determination of La, Ce, Pr, and Nd elements in aqueous solution using surface-enhanced laser-induced breakdown spectroscopy. <i>Talanta</i> , 2017 , 163, 127-131	6.2	48
68	A portable multi-collector system based on an artificial optical compound eye for stand-off laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1975-1979	3.7	5
67	On-stream analysis of iron ore slurry using laser-induced breakdown spectroscopy. <i>Applied Optics</i> , 2017 , 56, 9144-9149	1.7	35
66	Spatially selective excitation in laser-induced breakdown spectroscopy combined with laser-induced fluorescence. <i>Optics Express</i> , 2017 , 25, 4945-4951	3.3	31
65	Quantitative analysis of steel samples using laser-induced breakdown spectroscopy with an artificial neural network incorporating a genetic algorithm. <i>Applied Optics</i> , 2017 , 56, 935-941	1.7	14
64	Analysis of characteristics of Si in blast furnace pig iron and calibration methods in the detection by laser-induced breakdown spectroscopy 2017 ,		2
63	Sensitive determinations of Cu, Pb, Cd, and Cr elements in aqueous solutions using chemical replacement combined with surface-enhanced laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2016 , 24, 13410-7	3.3	55
62	Quantitative analyses of Mn, V, and Si elements in steels using a portable laser-induced breakdown spectroscopy system based on a fiber laser. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 767-772	3.7	23
61	Determination of cobalt in low-alloy steels using laser-induced breakdown spectroscopy combined with laser-induced fluorescence. <i>Talanta</i> , 2016 , 151, 234-238	6.2	40
60	Investigation of the self-absorption effect using spatially resolved laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 961-967	3.7	36
59	Analysis of ion doping profiles in Yb-doped fiber preforms using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 492-496	3.7	6

58	Preparation of carbon dots by non-focusing pulsed laser irradiation in toluene. <i>Chemical Communications</i> , 2016 , 52, 819-22	5.8	62
57	Investigation on self-absorption at reduced air pressure in quantitative analysis using laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2016 , 24, 26521-26528	3.3	33
56	Detection of Trace Elements in Active Luminescent Glass Using Laser-induced Breakdown Spectroscopy Combined with Laser-induced Fluorescence. <i>Chinese Journal of Analytical Chemistry</i> , 2016 , 44, 1042-1046	1.6	8
55	Preparation and formation mechanism of phase-controlled titanium dioxide microspheres by selective laser heating in liquid medium. <i>RSC Advances</i> , 2016 , 6, 110911-110915	3.7	2
54	Determinations of trace boron in superalloys and steels using laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Optics Express</i> , 2016 , 24, 7850-7	3.3	47
53	Background removal in soil analysis using laser- induced breakdown spectroscopy combined with standard addition method. <i>Optics Express</i> , 2016 , 24, 2607-18	3.3	56
52	Laser-induced breakdown spectroscopy of liquid solutions: a comparative study on the forms of liquid surface and liquid aerosol. <i>Applied Optics</i> , 2016 , 55, 7406-11	0.2	16
51	Characteristics of spectral lines with crater development during laser-induced breakdown spectroscopy. <i>Applied Optics</i> , 2016 , 55, 7422-7	1.7	9
50	Analytical-performance improvement of laser-induced breakdown spectroscopy for steel using multi-spectral-line calibration with an artificial neural network. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1623-1628	3.7	38
49	Acidity measurement of iron ore powders using laser-induced breakdown spectroscopy with partial least squares regression. <i>Optics Express</i> , 2015 , 23, 7795-801	3.3	33
48	Self-absorption reduction in laser-induced breakdown spectroscopy using laser-stimulated absorption. <i>Optics Letters</i> , 2015 , 40, 5224-6	3	47
47	Laser-induced breakdown spectroscopy using laser pulses delivered by optical fibers for analyzing Mn and Ti elements in pig iron. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 403-409	3.7	34
46	Quantitative analysis of phosphorus in steel using laser-induced breakdown spectroscopy in air atmosphere. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1432-1437	3.7	34
45	Element dependence of enhancement in optics emission from laser-induced plasma under spatial confinement. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 638	3.7	26
44	Sensitivity improvement in the detection of V and Mn elements in steel using laser-induced breakdown spectroscopy with ring-magnet confinement. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 2309-2314	3.7	53
43	Accuracy improvement on polymer identification using laser-induced breakdown spectroscopy with adjusting spectral weightings. <i>Optics Express</i> , 2014 , 22, 3895-901	3.3	48
42	Accuracy improvement of quantitative analysis in laser-induced breakdown spectroscopy using modified wavelet transform. <i>Optics Express</i> , 2014 , 22, 10233-8	3.3	42
41	Effects of processing parameters on tensile properties of selective laser melted 304 stainless steel. <i>Materials & Design</i> , 2013 , 50, 581-586		237

40	Photomediated assembly of single crystalline silver spherical particles with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 692-698	13	19
39	Accuracy improvement of quantitative analysis by spatial confinement in laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2013 , 21, 18188-95	3.3	62
38	The Effect of Deposition Patterns on the Deformation of Substrates During Direct Laser Fabrication. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2013 , 135,	1.8	16
37	Characterization and formation mechanism of laser-welded Mg and Al alloys using Ti interlayer. <i>Scripta Materialia</i> , 2012 , 67, 193-196	5.6	81
36	One-step preparation of amorphous iron nanoparticles by laser ablation. <i>Powder Technology</i> , 2012 , 215-216, 147-150	5.2	26
35	Process and joint characterizations of laser-MIG hybrid welding of AZ31 magnesium alloy. <i>Journal of Materials Processing Technology</i> , 2012 , 212, 1338-1346	5.3	69
34	General bottom-up construction of spherical particles by pulsed laser irradiation of colloidal nanoparticles: a case study on CuO. <i>Chemistry - A European Journal</i> , 2012 , 18, 163-9	4.8	43
33	Laser Keyhole Welding of Dissimilar Ti-6Al-4V Titanium Alloy to AZ31B Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 163-172	2.3	48
32	Tetragonal zirconia spheres fabricated by carbon-assisted selective laser heating in a liquid medium. <i>Nanotechnology</i> , 2012 , 23, 115602	3.4	23
31	The microstructure and mechanical properties of deposited-IN718 by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 518-523	5.7	49 ¹
30	Characterisation of laser welded dissimilar Ti/steel joint using Mg interlayer. <i>Science and Technology of Welding and Joining</i> , 2012 , 17, 269-276	3.7	64
29	Gallium Phosphide Spherical Particles by Pulsed Laser Irradiation in Liquid. <i>Science of Advanced Materials</i> , 2012 , 4, 544-547	2.3	6
28	Preparation of silver spheres by selective laser heating in silver-containing precursor solution. <i>Optics Express</i> , 2011 , 19, 2846-51	3.3	21
27	Preparation of silver spheres by selective laser heating in silver-containing precursor solution: erratum. <i>Optics Express</i> , 2011 , 19, 12855	3.3	6
26	Single-crystalline rutile TiO ₂ hollow spheres: room-temperature synthesis, tailored visible-light-extinction, and effective scattering layer for quantum dot-sensitized solar cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19102-9	16.4	205
25	Preparation of carbon quantum dots with tunable photoluminescence by rapid laser passivation in ordinary organic solvents. <i>Chemical Communications</i> , 2011 , 47, 932-4	5.8	40 ¹
24	Size-tailored ZnO submicrometer spheres: bottom-up construction, size-related optical extinction, and selective aniline trapping. <i>Advanced Materials</i> , 2011 , 23, 1865-70	24	105
23	Carbon-assisted fabrication of submicrometre spheres for low-optical-absorbance materials by selective laser heating in liquid. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14406		25

22	Fabrication of crystalline silicon spheres by selective laser heating in liquid medium. <i>Langmuir</i> , 2011 , 27, 5076-80	4	58
21	Fabrication of fluorinated polyimide optical waveguides by micropen direct writing technology. <i>Optics and Lasers in Engineering</i> , 2011 , 49, 880-884	4.6	3
20	355nm DPSS UV laser micro-processing for the semiconductor and electronics industry 2010 ,		2
19	Silver nanoparticles prepared by chemical reduction-protection method, and their application in electrically conductive silver nanopaste. <i>Journal of Alloys and Compounds</i> , 2010 , 494, 84-87	5.7	39
18	High-performance electrically conductive silver paste prepared by silver-containing precursor. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 100, 1157-1162	2.6	12
17	Electrically Conductive Thick Film Made from Silver Alkylcarbamates. <i>Journal of Electronic Materials</i> , 2010 , 39, 2267-2273	1.9	5
16	Magnetic Silver-Coated Ferrite Nanoparticles and Their Application in Thick Films. <i>Journal of Electronic Materials</i> , 2010 , 39, 2702-2710	1.9	3
15	Selective Pulsed Heating for the Synthesis of Semiconductor and Metal Submicrometer Spheres. <i>Angewandte Chemie</i> , 2010 , 122, 6505-6508	3.6	22
14	Selective pulsed heating for the synthesis of semiconductor and metal submicrometer spheres. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6361-4	16.4	148
13	Fabrication of microheater by laser micro cladding electronic paste. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 157, 15-19	3.1	10
12	Laser micro-cladding electronic pastes for fabrication of MIM thick film capacitors. <i>Frontiers of Optoelectronics in China</i> , 2009 , 2, 86-91		
11	Laser sintering of thick-film PTC thermistor paste deposited by micro-pen direct-write technology. <i>Microelectronic Engineering</i> , 2009 , 86, 10-15	2.5	12
10	MicroPen direct-write deposition of polyimide. <i>Microelectronic Engineering</i> , 2009 , 86, 1989-1993	2.5	9
9	Direct fabrication of SnO ₂ -based thick film gas sensor using Micropen direct writing and laser microcladding. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 340-344	8.5	18
8	Study on thick-film PTC thermistor fabricated by micro-pen direct writing. <i>Microelectronics Journal</i> , 2008 , 39, 1452-1456	1.8	6
7	Frequency characteristics of the MIM thick film capacitors fabricated by laser micro-cladding electronic pastes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 150, 157-162	3.1	7
6	Direct fabrication of electric components on insulated boards by laser microcladding electronic pastes. <i>IEEE Transactions on Advanced Packaging</i> , 2006 , 29, 291-294		14
5	Direct fabrication of thermosensors by laser micro-cladding functional materials 2006 ,		1

4	Laser direct fabrication of silver conductors on glass boards. <i>Thin Solid Films</i> , 2005 , 483, 270-275	2.2	21
3	Conductive line preparation on resin surfaces by laser micro-cladding conductive pastes. <i>Applied Surface Science</i> , 2004 , 233, 51-57	6.7	20
2	Determination of lead in aqueous solutions using resonant surface-enhanced LIBS. <i>Journal of Analytical Atomic Spectrometry</i> ,	3.7	1
1	Rapid Determination of Arsenic in Traditional Chinese Medicine by Laser-Induced Breakdown Spectroscopy (LIBS). <i>Analytical Letters</i> ,1-11	2.2	1