

# Young-Jin Kim

## List of Publications by Year in descending order

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202  
papers

6,515  
citations

125106

35  
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78623

77  
g-index

205  
all docs

205  
docs citations

205  
times ranked

9100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-stabilized free-space link for optical frequency transfer. Optics Communications, 2022, 504, 127481.	1.0	4
2	Compensation of laser propagation effects within solids for high harmonic generation of extreme ultraviolet radiation. Optics and Laser Technology, 2022, 145, 107507.	2.2	3
3	Green Flexible Graphene-Inorganic-Hybrid Micro-Supercapacitors Made of Fallen Leaves Enabled by Ultrafast Laser Pulses. Advanced Functional Materials, 2022, 32, .	7.8	46
4	Fast and precise laser beam scanning by nonperiodic grating on a binary micromirror array. Optical Engineering, 2022, 61, .	0.5	0
5	Refractive-diffractive hybrid optics array: comparative analysis of simulation and experiments. Journal of Optics (United Kingdom), 2022, 24, 055401.	1.0	6
6	One-Step Template-Free Laser Patterning of Metal Microhoneycomb Structures. Small Methods, 2022, 6, e2200150.	4.6	3
7	Green Flexible Graphene-Inorganic-Hybrid Micro-Supercapacitors Made of Fallen Leaves Enabled by Ultrafast Laser Pulses (Adv. Funct. Mater. 20/2022). Advanced Functional Materials, 2022, 32, .	7.8	1
8	Direct-laser-conversion of Kevlar textile to laser-induced-graphene for realizing fast and flexible fabric strain sensors. CIRP Annals - Manufacturing Technology, 2022, , .	1.7	4
9	Plasmonic Color Printing via Bottom-Up Laser-Induced Photomodification Process. ACS Applied Materials & Interfaces, 2022, 14, 30315-30323.	4.0	9
10	Selective Laser Ablation of Metal Thin Films Using Ultrashort Pulses. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 771-782.	2.7	16
11	Injection-seeded high-repetition-rate short-pulse micro-laser based on upconversion nanoparticles. Nanoscale, 2021, 13, 878-885.	2.8	4
12	Coherence-Tailored Multiwavelength High-Speed Quantitative Phase Imaging with a High Phase Stability via a Frequency Comb. Advanced Photonics Research, 2021, 2, 2000088.	1.7	2
13	Fabrication of Plasmon-Active Polymer-Nanoparticle Composites for Biosensing Applications. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 945-954.	2.7	9
14	Circular steering of gold-nickel-platinum micro-vehicle using singular off-center nanoengine. International Journal of Intelligent Robotics and Applications, 2021, 5, 79-88.	1.6	7
15	Thermally Controlled Localized Porous Graphene for Integrated Graphene-Paper Electronics. Advanced Materials Technologies, 2021, 6, 2001156.	3.0	9
16	Self-reconstructing Bessel beam created by two-photon-polymerized micro-axicon for light-sheet fluorescence microscopy. Results in Physics, 2021, 24, 104111.	2.0	3
17	Continuous-wave upconversion lasing with a sub-10 W cm <sup>-2</sup> threshold enabled by atomic disorder in the host matrix. Nature Communications, 2021, 12, 4437.	5.8	21
18	Direct Laser Writing of Graphene-Based Electrical Interconnects for Printed Circuit Board Repair. Advanced Materials Technologies, 2021, 6, 2100514.	3.0	6

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19	Wood-based flexible graphene thermistor with an ultra-high sensitivity enabled by ultraviolet femtosecond laser pulses. <i>CIRP Annals - Manufacturing Technology</i> , 2021, 70, 443-446.	1.7	14
20	Lift-Off Ablation of Metal Thin Films for Micropatterning Using Ultrashort Laser Pulses. <i>Metals</i> , 2021, 11, 1586.	1.0	0
21	Label-free quantitative measurement of cardiovascular dynamics in a zebrafish embryo using frequency-comb-referenced-quantitative phase imaging. <i>Journal of Biomedical Optics</i> , 2021, 26, .	1.4	1
22	Quantitative Phase Imaging to Study the Effect of Sodium Dodecyl Surfactant on Adherent L929 Fibroblasts on Tissue Culture Plates. <i>Photonics</i> , 2021, 8, 508.	0.9	3
23	Enhanced third harmonic generation in ultrathin free-standing $\text{In}^2\text{-Ga}_2\text{O}_3$ nanomembranes: study on surface and bulk contribution. <i>Nanoscale</i> , 2021, 14, 175-186.	2.8	1
24	Attachable micropseudocapacitors using highly swollen laser-induced-graphene electrodes. <i>Chemical Engineering Journal</i> , 2020, 386, 123972.	6.6	11
25	Improved Self-Calibration of a Multilateration System Based on Absolute Distance Measurement. <i>Sensors</i> , 2020, 20, 7288.	2.1	5
26	Large-area grain-boundary-free copper films for plasmonics. <i>Applied Surface Science</i> , 2020, 521, 146377.	3.1	12
27	Recent Advances in Design of Flexible Electrodes for Miniaturized Supercapacitors. <i>Small Methods</i> , 2020, 4, 1900824.	4.6	56
28	Laser-induced reduced-graphene-oxide micro-optics patterned by femtosecond laser direct writing. <i>Applied Surface Science</i> , 2020, 526, 146647.	3.1	25
29	Absolute laser ranging by time-of-flight measurement of ultrashort light pulses [Invited]. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, B27.	0.8	25
30	Multi-scale Dimensional Metrology with a Frequency Comb: from Sub-nanometers to Kilometers. , 2020, , .		0
31	Synchronous laser ranging to multiple targets by dual-comb optical cross-correlation. , 2020, , .		0
32	Free-space transfer of comb-rooted optical frequencies over an 18-km open-air link. <i>Nature Communications</i> , 2019, 10, 4438.	5.8	39
33	Ultrasensitive Anti-Interference Voice Recognition by Bio-Inspired Skin-Attachable Self-Cleaning Acoustic Sensors. <i>ACS Nano</i> , 2019, 13, 13293-13303.	7.3	122
34	Ultrafast Laser Pulses Enable One-Step Graphene Patterning on Woods and Leaves for Green Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1902771.	7.8	138
35	Comb-rooted multi-channel synthesis of ultra-narrow optical frequencies of few Hz linewidth. <i>Scientific Reports</i> , 2019, 9, 7652.	1.6	16
36	Transferable ultra-thin multi-level micro-optics patterned by tunable photoreduction and photoablation for hybrid optics. <i>Carbon</i> , 2019, 149, 572-581.	5.4	19

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37	Coherent power amplification of third-order harmonic femtosecond pulses at thin-film up-conversion nanoparticles. <i>Scientific Reports</i> , 2019, 9, 5094.	1.6	2
38	Picometre Resolution Measurement of Plasmonic Dynamics in Metal Nanostructures using Frequency Comb. , 2019, , .		0
39	Quantitative Phase Imaging using a Frequency Comb for Speckle-Less Cellular Motion Measurement. , 2019, , .		0
40	Gas Sensing over Plasmonic Nanostructures Based on a Frequency Comb. , 2019, , .		0
41	Self-Steerable Propulsion of Disk-Like Micro-Craft with Dual Off-Center Nanoengines. <i>ACS Applied Energy Materials</i> , 2019, 2, 1657-1662.	2.5	5
42	Wearable Bandage-Based Strain Sensor for Home Healthcare: Combining 3D Aerosol Jet Printing and Laser Sintering. <i>ACS Sensors</i> , 2019, 4, 218-226.	4.0	113
43	Plasmonic dynamics measured with frequency-comb-referenced phase spectroscopy. <i>Nature Physics</i> , 2019, 15, 132-137.	6.5	15
44	Comb segmentation spectroscopy for rapid detection of molecular absorption lines. <i>Optics Express</i> , 2019, 27, 9088.	1.7	3
45	Ultrafast volume holography for stretchable photonic structures. <i>Optics Express</i> , 2019, 27, 12196.	1.7	7
46	Surface third-harmonic generation at a two-photon-polymerized micro-interferometer for real-time on-chip refractive index monitoring. <i>Optics Express</i> , 2019, 27, 29196.	1.7	4
47	Fast and Sensitive Quantitative Phase Imaging Using a Frequency Comb. , 2019, , .		0
48	Frequency-comb-referenced phase spectroscopy measures plasmonic dynamics with picometre resolution. , 2019, , .		0
49	Surface third and fifth harmonic generation at crystalline Si for non-invasive inspection of Si wafer's inter-layer defects: erratum. <i>Optics Express</i> , 2019, 27, 38028.	1.7	0
50	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , 2018, 6, 1701119.	3.6	32
51	Revisiting of Pd Nanoparticles in Cancer Treatment: All-Round Excellence of Porous Pd Nanoplates in Gene-Thermo Combinational Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13819-13828.	4.0	53
52	UV-LEDs for the Disinfection and Bio-Sensing Applications. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1901-1915.	1.1	17
53	Fully laser-patterned stretchable microsupercapacitors integrated with soft electronic circuit components. <i>NPG Asia Materials</i> , 2018, 10, 959-969.	3.8	56
54	Engineering copper nanoparticles synthesized on the surface of carbon nanotubes for anti-microbial and anti-biofilm applications. <i>Nanoscale</i> , 2018, 10, 15529-15544.	2.8	61

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55	Systematic Investigation of the Wavelength-Dependent Upconversion Enhancement Induced by Single Plasmonic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13047-13053.	1.5	9
56	Single-Step Selective Laser Writing of Flexible Photodetectors for Wearable Optoelectronics. <i>Advanced Science</i> , 2018, 5, 1800496.	5.6	87
57	Direct laser writing of tunable diffractive micro-optics on graphene oxide film. , 2018, , .		2
58	Flexible and stretchable micro GO/rGO optical structures by femtosecond laser photoreduction. , 2018, , .		0
59	Plasmonic extra-ordinary transmission: testing the maintenance of optical frequency and phase via a frequency comb. , 2018, , .		0
60	Surface third and fifth harmonic generation at crystalline Si for non-invasive inspection of Si wafer's inter-layer defects. <i>Optics Express</i> , 2018, 26, 32812.	1.7	10
61	Effect of different compositions on characteristics and osteoblastic activity of microporous biphasic calcium phosphate bioceramics. <i>Materials Technology</i> , 2017, 32, 496-504.	1.5	2
62	Stability test of the silicon Fiber Bragg Grating embroidered on textile for joint angle measurement. , 2017, , .		5
63	Direct comb multi-heterodyne interference spectroscopy. , 2017, , .		0
64	3D ordered porous Mo <sub>x</sub> C (x = 1 or 2) for advanced hydrogen evolution and Li storage. <i>Nanoscale</i> , 2017, 9, 7260-7267.	2.8	58
65	Functional Evaluation of a Bioartificial Liver Support System Using Immobilized Hepatocyte Spheroids in a Porcine Model of Acute Liver Failure. <i>Scientific Reports</i> , 2017, 7, 3804.	1.6	14
66	Spectral and spatial characterization of upconversion luminescent nanocrystals as nanowaveguides. <i>Nanoscale</i> , 2017, 9, 9238-9245.	2.8	13
67	An enhanced Brinson model with modified kinetics for martensite transformation. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 1157-1167.	0.7	5
68	Femtosecond-Laser-Based 3D Printing for Tissue Engineering and Cell Biology Applications. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2198-2214.	2.6	32
69	Lasers in additive manufacturing: A review. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2017, 4, 307-322.	2.7	310
70	MW peak power Er/Yb-doped fiber femtosecond laser amplifier at 1.5 $\mu$ m center wavelength. <i>Laser Physics Letters</i> , 2017, 14, 080002.	0.6	10
71	Korean Society of Thoracic Radiology Weekly Chest Cases Website. <i>Journal of Thoracic Imaging</i> , 2017, 32, W8-W10.	0.8	0
72	Integrated approach to an optimal automotive timing chain system design. <i>International Journal of Automotive Technology</i> , 2017, 18, 1037-1045.	0.7	3

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73	All-Graphene-Based Highly Flexible Noncontact Electronic Skin. ACS Applied Materials & Interfaces, 2017, 9, 44593-44601.	4.0	110
74	High-brightness laser imaging with tunable speckle reduction enabled by electroactive micro-optic diffusers. Scientific Reports, 2017, 7, 15318.	1.6	28
75	3D Printed Polycaprolactone Carbon Nanotube Composite Scaffolds for Cardiac Tissue Engineering. Macromolecular Bioscience, 2017, 17, 1600250.	2.1	144
76	Photoreduction of graphene oxides using a femtosecond laser: Photothermal and photochemical contributions. , 2017, , .		1
77	One-step fabrication of graphene sensors by femtosecond laser direct writing. , 2017, , .		0
78	Plasmonic phase change measurement in metal nanostructures by frequency-comb-based spectrally resolved interferometry. , 2017, , .		0
79	Rotational diffuser for speckle reduction in quantitative phase imaging. , 2017, , .		3
80	Femtosecond laser direct writing of graphene oxide film on polydimethylsiloxane (PDMS) for flexible and stretchable electronics. , 2017, , .		2
81	Graphene-based ultrathin optical components printed by femtosecond laser direct writing method. , 2017, , .		0
82	Direct laser writing of graphene oxide patterns using femtosecond laser pulses with different repetition rates. , 2017, , .		2
83	Third harmonic generation at sapphire wafers with different cut axis. , 2017, , .		0
84	Spatial coherence reduction for speckle free imaging using electroactive rotational optical diffusers. , 2017, , .		1
85	Femtosecond laser direct writing of optical component on optical fibers. , 2017, , .		0
86	Tuning range extension of pulse repetition rate using chirped fiber Bragg gratings. Optics Express, 2017, 25, 1413.	1.7	3
87	Nonlinear third harmonic generation at crystalline sapphires. Optics Express, 2017, 25, 26002.	1.7	21
88	Speckle reduction in quantitative phase imaging by generating spatially incoherent laser field at electroactive optical diffusers. Optics Express, 2017, 25, 10791.	1.7	25
89	Frequency comb transferred by plasmonic EOT. , 2017, , .		0
90	Comb-based Optical Frequency Transfer in Free Space. , 2017, , .		0

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91	Multi-beam interferometric patterning in optically transparent materials. Proceedings of SPIE, 2017, , .	0.8	0
92	Inter-comb synchronization by mode-to-mode locking. Laser Physics Letters, 2016, 13, 085301.	0.6	3
93	Direct Preparation of Carbon Nanotube Intramolecular Junctions on Structured Substrates. Scientific Reports, 2016, 6, 38032.	1.6	11
94	Frequency comb transferred by surface plasmon resonance. Nature Communications, 2016, 7, 10685.	5.8	18
95	Comb-referenced laser distance interferometer for industrial nanotechnology. Scientific Reports, 2016, 6, 31770.	1.6	45
96	Optical inspection of smartphone camera modules by near-infrared low-coherence interferometry. Optical Engineering, 2016, 55, 091404.	0.5	2
97	Synthesis and up-conversion luminescence of Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> . Optical Materials Express, 2016, 6, 1099.	1.6	22
98	Hydrothermal corrosion of silicon carbide joints without radiation. Journal of Nuclear Materials, 2016, 481, 226-233.	1.3	11
99	Active tailoring of nanoantenna plasmonic fields using few-cycle laser pulses. Physical Review A, 2016, 93, .	1.0	8
100	Highly sensitive optical motion detector. , 2016, , .		2
101	High-harmonic generation by field enhanced femtosecond pulses in metal-sapphire nanostructure. Nature Communications, 2016, 7, 13105.	5.8	145
102	Phase-dependent dynamic potential of magnetically coupled two-degree-of-freedom bistable energy harvester. Scientific Reports, 2016, 6, 34411.	1.6	24
103	Stabilization of two frequency combs with a small relative $f_{\text{ceo}}$ jitter using diode laser injection locking. Proceedings of SPIE, 2016, , .	0.8	0
104	Generation of multiple optical frequencies referenced to a frequency comb for precision free-space frequency transfer. Proceedings of SPIE, 2016, , .	0.8	0
105	Polymeric Biomaterials for Medical Implants and Devices. ACS Biomaterials Science and Engineering, 2016, 2, 454-472.	2.6	524
106	Effects of Flux on the Synthesis and the Luminescence of Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> ,Er <sup>3+</sup> Phosphors. Science of Advanced Materials, 2016, 8, 904-908.		
107	Parallel determination of absolute distances to multiple targets by time-of-flight measurement using femtosecond light pulses. Optics Express, 2015, 23, 25874.	1.7	44
108	Fourier-transform spectroscopy using an Er-doped fiber femtosecond laser by sweeping the pulse repetition rate. Scientific Reports, 2015, 5, 15726.	1.6	25

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109	Synthesis, phase formation, and luminescence of (Sr,Ba) <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub> :Eu <sup>2+</sup> by a sol-gel-combustion hybrid process. <i>Ceramics International</i> , 2015, 41, S744-S749.	2.3	7
110	Polarization maintaining linear cavity Er-doped fiber femtosecond laser. <i>Laser Physics Letters</i> , 2015, 12, 105102.	0.6	15
111	Precision 3D surface measurement of step-structures using mode-locked femtosecond pulses. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
112	Absolute distance measurement using frequency-comb-referenced four-wavelength interferometry. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
113	Real-time compensation of the refractive index of air in distance measurement. <i>Optics Express</i> , 2015, 23, 26377.	1.7	29
114	Common-path diffraction optical tomography with a low-coherence illumination for reducing speckle noise. , 2015, , .		8
115	High-precision 3-D surface measurement of step-structures using femtosecond lasers. , 2015, , .		0
116	High-precision space LIDARs based on femtosecond lasers. , 2015, , .		0
117	Capsicum annum transcription factor WRKYa positively regulates defense response upon TMV infection and is a substrate of CaMK1 and CaMK2. <i>Scientific Reports</i> , 2015, 5, 7981.	1.6	32
118	MoS <sub>2</sub> Nanosheet/Pd Nanoparticle Composite for Highly Sensitive Room Temperature Detection of Hydrogen. <i>Advanced Science</i> , 2015, 2, 1500004.	5.6	123
119	Development of martensite transformation kinetics of NiTi shape memory alloys under compression. <i>International Journal of Solids and Structures</i> , 2015, 64-65, 51-61.	1.3	16
120	Absolute positioning by multi-wavelength interferometry referenced to the frequency comb of a femtosecond laser. <i>Optics Express</i> , 2015, 23, 9121.	1.7	62
121	Repetition rate multiplication of femtosecond light pulses using a phase-locked all-pass fiber resonator. <i>Optics Express</i> , 2015, 23, 10117.	1.7	17
122	Recent advances in absolute distance measurements using femtosecond light pulses. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
123	Statistical TiO <sub>2</sub> /dye-mass dependence and dye-regeneration efficiency on dye-sensitized solar cells. <i>Nano Energy</i> , 2015, 16, 383-388.	8.2	3
124	EUV generation by plasmonic field enhancement using nanostructures. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
125	Modeling and Analysis of a Variable Speed Heat Pump for Frequency Regulation Through Direct Load Control. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 397-408.	4.6	128
126	Advanced Optical Distance Measurements using Femtosecond Laser Pulses. , 2015, , .		1



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127	Time-domain stabilization of carrier-envelope phase in femtosecond light pulses. Optics Express, 2014, 22, 11788.	1.7	12
128	Absolute distance measurement with extension of nonambiguity range using the frequency comb of a femtosecond laser. Optical Engineering, 2014, 53, 122403.	0.5	36
129	Space radiation test of saturable absorber for femtosecond laser. Optics Letters, 2014, 39, 2831.	1.7	12
130	Effect of the coarse aggregate size on pipe flow of pumped concrete. Construction and Building Materials, 2014, 66, 723-730.	3.2	68
131	Coherent supercontinuum generation using Er-doped fiber laser of hybrid mode-locking. Optics Letters, 2014, 39, 2986.	1.7	19
132	Testing of a femtosecond pulse laser in outer space. Scientific Reports, 2014, 4, 5134.	1.6	66
133	Wide repetition rate tunable femtosecond laser with a pair of CFBGs. , 2014, , .		1
134	Femtosecond pulses for 3-D surface measurement of microelectronic step-structures. , 2014, , .		2
135	Frequency-comb-referenced stable multi-channel fiber laser. , 2014, , .		0
136	Effect of polymer matrix on the sensitivity of microfibrous fluorescent chemosensor containing dendritic porphyrin for the detection of dopamine. Journal of Materials Science, 2013, 48, 3486-3493.	1.7	8
137	Absolute distance measurement by dual-comb interferometry with adjustable synthetic wavelength. Measurement Science and Technology, 2013, 24, 045201.	1.4	91
138	Precision surface profile measurements by comb-based multi-wavelength interferometry. , 2013, , .		1
139	Space radiation effects on a semiconductor saturable absorber. , 2013, , .		0
140	Phase shifting interferometry for large-sized surface measurements by sweeping the repetition rate of femtosecond light pulses. International Journal of Precision Engineering and Manufacturing, 2013, 14, 241-246.	1.1	13
141	Coordinated Control of a DG and Voltage Control Devices Using a Dynamic Programming Algorithm. IEEE Transactions on Power Systems, 2013, 28, 42-51.	4.6	99
142	Ultra-precision LIDAR System using Femtosecond Light Pulses. , 2013, , .		0
143	Frequency-comb-referenced multi-wavelength profilometry for largely stepped surfaces. Optics Express, 2013, 21, 9780.	1.7	27
144	Frequency-comb-referenced multi-channel fiber laser for DWDM communication. Optics Express, 2013, 21, 29179.	1.7	17

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145	Femtosecond laser pulses for fast 3-D surface profilometry of microelectronic step-structures. Optics Express, 2013, 21, 15323.	1.7	34
146	Real-time monitoring and control system for femtosecond pulse lasers. , 2013, , .		0
147	Development of fiber femtosecond lasers for advanced metrological space missions. , 2013, , .		0
148	Hybrid mode-locked Er-doped fiber femtosecond oscillator with 156 mW output power. Optics Express, 2012, 20, 15054.	1.7	46
149	High precision laser ranging by time-of-flight measurement of femtosecond pulses. Measurement Science and Technology, 2012, 23, 065203.	1.4	45
150	Real-time absolute distance measurement by comb-based generation of multiple wavelengths. International Journal of Nanomanufacturing, 2012, 8, 432.	0.3	0
151	GPU-accelerated white-light scanning interferometer for large-area, high-speed surface profile measurements. International Journal of Nanomanufacturing, 2012, 8, 31.	0.3	9
152	Kim et al. reply. Nature, 2012, 485, E2-E3.	13.7	75
153	Active compensation of large dispersion of femtosecond pulses for precision laser ranging. Optics Express, 2011, 19, 4002.	1.7	12
154	Prediction of Anisotropic Behavior of Nano/Micro Composite Based on Damage Mechanics with Cell Modeling. Journal of Nanoscience and Nanotechnology, 2011, 11, 619-623.	0.9	0
155	Green-emitting Yb <sup>2+</sup> -doped $\hat{\Gamma}$ -SiAlON phosphors prepared by spark plasma sintering. Optical Materials, 2011, 33, 1700-1703.	1.7	16
156	The effect of oil-droplet on bubble absorption performance in binary nanoemulsions. International Journal of Refrigeration, 2011, 34, 1734-1740.	1.8	12
157	Plasmonic generation of ultrashort extreme-ultraviolet light pulses. Nature Photonics, 2011, 5, 677-681.	15.6	286
158	High precision surface-profile metrology by scanning the repetition rate of femtosecond pulses. Proceedings of SPIE, 2011, , .	0.8	0
159	A Statistical Study on Nanoparticle Movements in a Microfluidic Channel. Journal of Nanoscience and Nanotechnology, 2011, 11, 281-285.	0.9	1
160	Time-of-flight Measurement using Femtosecond Pulses. , 2011, , .		0
161	Characteristic Change of PVDF-SiO <sub>2</sub> Composite Nanofibers with Different Thermal Treatment Temperature. Porrima, 2011, 35, 605-609.	0.0	1
162	The deposition and the photoluminescence of SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> thin films. Thin Solid Films, 2010, 518, e149-e151.	0.8	10

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163	Absolute distance measurement using the frequency comb of a femtosecond laser. CIRP Annals - Manufacturing Technology, 2010, 59, 555-558.	1.7	37
164	Time-of-flight measurement with femtosecond light pulses. Nature Photonics, 2010, 4, 716-720.	15.6	366
165	Fiber-based frequency comb with mHz relative linewidth carrier-envelope-offset frequency. , 2010, , .		0
166	Time-of-flight measurement with femtosecond pulses for high precision ranging lidar. , 2010, , .		0
167	Er-doped fiber comb with enhanced fceo S/N ratio using Tm:Ho-doped fiber. , 2010, , .		0
168	All-fiber single optical frequency generation from an Er-doped fiber frequency comb. , 2010, , .		0
169	Long-term reliable phase-locked seed source for Yb-fiber-based chirped pulse amplification. , 2010, , .		0
170	Absolute length measurement with the frequency comb of a femtosecond laser. Measurement Science and Technology, 2009, 20, 095302.	1.4	80
171	Characterization of cyclodextrin complexes of camostat mesylate by ESI mass spectrometry and NMR spectroscopy. Journal of Molecular Structure, 2009, 938, 192-197.	1.8	21
172	Fluid effects on structural integrity of pipes with an orifice and elbows with a wall-thinned part. Journal of Loss Prevention in the Process Industries, 2009, 22, 854-859.	1.7	8
173	All-fiber-based optical frequency generation from an Er-doped fiber femtosecond laser. Optics Express, 2009, 17, 10939.	1.7	24
174	Er-doped fiber frequency comb with mHz relative linewidth. Optics Express, 2009, 17, 11972.	1.7	37
175	Er-doped fiber comb with enhanced f_ceo S/N ratio using Tm:Ho-doped fiber. Optics Express, 2009, 17, 18606.	1.7	19
176	An immunoassay using biotinylated single-walled carbon nanotubes as Raman biomarkers. Analyst, The, 2009, 134, 1294.	1.7	3
177	Multi-wavelength interferometry based on the frequency comb of a femtosecond laser. , 2009, , .		0
178	FSI-Based Assessment of FAC-Caused Wall Thinned Piping. , 2009, , .		0
179	A Robust Method to Determine Statistical Parameters for Cleavage Fracture Evaluation. , 2009, , .		0
180	CHARACTERISTICS OF A NEW PNEUMATIC TRANSFER SYSTEM FOR A NEUTRON ACTIVATION ANALYSIS AT THE HANARO RESEARCH REACTOR. Nuclear Engineering and Technology, 2009, 41, 813-820.	1.1	12

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181	Effects of metal removal and residual stress on the contact fatigue life of railway wheels. International Journal of Fatigue, 2008, 30, 2021-2029.	2.8	19
182	High-harmonic generation by resonant plasmon field enhancement. Nature, 2008, 453, 757-760.	13.7	1,283
183	Optical detection of DNA hybridization using absorption spectra of single-walled carbon nanotubes. Materials Chemistry and Physics, 2008, 112, 738-741.	2.0	42
184	A wide-range optical frequency generator based on the frequency comb of a femtosecond laser. Optics Express, 2008, 16, 258.	1.7	37
185	Parametric CFD Analyses to Simulate Stratified Flows. , 2008, , .		0
186	Effect of Slip Boundary Condition on the Design of Nanoparticle Focusing Lenses. Journal of Nanoscience and Nanotechnology, 2008, 8, 3741-3748.	0.9	8
187	Advanced length metrology exploiting the frequency comb of a femtosecond laser. , 2008, , .		0
188	Advanced Optical Metrology Using Ultrashort Pulse Lasers. The Review of Laser Engineering, 2008, 36, 1254-1257.	0.0	6
189	Precision Length Metrology based on Optical Frequency Synthesizer. , 2007, , .		0
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