Yong-Won Song

List of Publications by Year
in descending order

43 papers	2,304 citations	304743 22 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	2714 citing authors

#	Article	IF	Citations
1	Graphene mode-lockers for fiber lasers functioned with evanescent field interaction. Applied Physics Letters, 2010, 96, .	3.3	333
2	Few-Layer Black Phosphorus Field-Effect Transistors with Reduced Current Fluctuation. ACS Nano, 2014, 8, 11753-11762.	14.6	264
3	Carbon nanotube mode lockers with enhanced nonlinearity via evanescent field interaction in D-shaped fibers. Optics Letters, 2007, 32, 148.	3.3	238
4	Multilayered graphene efficiently formed by mechanical exfoliation for nonlinear saturable absorbers in fiber mode-locked lasers. Applied Physics Letters, 2010, 97, .	3.3	156
5	Single-walled carbon nanotubes for high-energy optical pulse formation. Applied Physics Letters, 2008, 92, .	3.3	131
6	Nonvolatile Ferroelectric Memory Circuit Using Black Phosphorus Nanosheet-Based Field-Effect Transistors with P(VDF-TrFE) Polymer. ACS Nano, 2015, 9, 10394-10401.	14.6	130
7	Black phosphorus saturable absorber for ultrafast modeâ€locked pulse laser via evanescent field interaction. Annalen Der Physik, 2015, 527, 770-776.	2.4	115
8	Deformation-immunized optical deposition of graphene for ultrafast pulsed lasers. Applied Physics Letters, 2011, 98, .	3.3	97
9	Polarization insensitive all-fiber mode-lockers functioned by carbon nanotubes deposited onto tapered fibers. Applied Physics Letters, 2007, 90, 021101.	3.3	91
10	Passively mode-locked lasers with 172-GHz fundamental-mode repetition rate pulsed by carbon nanotubes. Optics Letters, 2007, 32, 430.	3.3	74
11	A Mode-Locked 1.91 mum Fiber Laser Based on Interaction between Graphene Oxide and Evanescent Field. Applied Physics Express, 2012, 5, 112702.	2.4	67
12	1300-nm pulsed fiber lasers mode-locked by purified carbon nanotubes. IEEE Photonics Technology Letters, 2005, 17, 1623-1625.	2.5	60
13	Fabrication of Carbon nanotube-poly-methyl-methacrylate composites for nonlinear photonic devices. Optics Express, 2008, 16, 11337.	3.4	55
14	Nonlinear Black Phosphorus for Ultrafast Optical Switching. Scientific Reports, 2017, 7, 43371.	3.3	45
15	Direct Electron Transfer of Enzymes in a Biologically Assembled Conductive Nanomesh Enzyme Platform. Advanced Materials, 2016, 28, 1577-1584.	21.0	43
16	Fiber-Bragg-grating-based ultrathin shape sensors displaying single-channel sweeping for minimally invasive surgery. Optics and Lasers in Engineering, 2014, 59, 50-55.	3.8	41
17	Recent Advances in Blackâ€Phosphorusâ€Based Photonics and Optoelectronics Devices. Small Methods, 2018, 2, 1700315.	8.6	36
18	Thermal damage suppression of a black phosphorus saturable absorber for high-power operation of pulsed fiber lasers. Nanotechnology, 2016, 27, 365203.	2.6	29

#	Article	IF	Citations
19	Ultrafast All-Optical Switching Incorporating in Situ Graphene Grown along an Optical Fiber by the Evanescent Field of a Laser. ACS Photonics, 2018, 5, 445-455.	6.6	28
20	Air-stable few-layer black phosphorus phototransistor for near-infrared detection. Nanotechnology, 2017, 28, 085201.	2.6	26
21	Carbon nanotube-doped polymer optical fiber. Optics Letters, 2009, 34, 3077.	3.3	24
22	Growth, Quantitative Growth Analysis and Applications of Graphene on Î³-Al2O3 catalysts. Scientific Reports, 2015, 5, 11839.	3.3	24
23	Direct Growth and Patterning of Multilayer Graphene onto a Targeted Substrate without an External Carbon Source. ACS Applied Materials & Interfaces, 2012, 4, 3663-3666.	8.0	19
24	In Situ Synthesis of Graphene with Telecommunication Lasers for Nonlinear Optical Devices. Advanced Optical Materials, 2015, 3, 1264-1272.	7.3	18
25	High-performance laser mode-locker with glass-hosted SWNTs realized by room-temperature aerosol deposition. Optics Express, 2011, 19, 4762.	3.4	16
26	Q-switched fiber lasers with carbon nanotubes hosted in ceramics. Applied Optics, 2012, 51, 290.	1.8	14
27	Graphene Capacitor-Based Electrical Switching of Mode-Locking in All-Fiberized Femtosecond Lasers. ACS Applied Materials & Interfaces, 2020, 12, 54005-54011.	8.0	14
28	Carbon nanotube-incorporated solâ€“gel glass for high-speed modulation of intracavity absorption of fiber lasers. Optics Communications, 2010, 283, 3740-3742.	2.1	12
29	Transfer-free synthesis of multilayer graphene using a single-step process in an evaporator and formation confirmation by laser mode-locking. Nanotechnology, 2013, 24, 365603.	2.6	11
30	Ultrafast optical nonlinearity of multi-layered graphene synthesized by the interface growth process. Nanotechnology, 2012, 23, 225706.	2.6	10
31	Catalyst-free growth of readily detachable nanographene on alumina. Journal of Materials Chemistry C, 2013, 1, 6438.	5.5	10
32	Graphene-dispersed polymer waveguide for efficient formation of mode-locked lasers at extremely low graphene concentration. Carbon, 2020, 166, 123-130.	10.3	10
33	Graphene-Incorporated Soft Capacitors for Mechanically Adjustable Electro-Optic Modulators. ACS Applied Materials & Interfaces, 2018, 10, 40781-40788.	8.0	9
34	Three-Dimensionally Printed Interconnects for Smart Contact Lenses. ACS Applied Materials & Interfaces, 2018, 10, 28086-28092.	8.0	9
35	Hand-manageable graphene sticker for ultrafast mode-locked fiber lasers. Optics Express, 2015, 23, 7940.	3.4	8
36	Conformal Graphene Directly Synthesized on a Femtosecond Laser-Scribed In-Fiber Microstructure for High-Energy Ultrafast Optical Pulses. ACS Nano, 2021, 15, 20300-20310.	14.6	7

#	Article	IF	Citations
37	Oxygenâ€Dependent Synthesis of Graphene on Î³â€Alumina Catalyst. Advanced Materials Interfaces, 2017, 4, 1700603.	3.7	6
38	Efficient Optical Saturable Absorbers with Graphene on Polymer Waveguides for Femtosecond Laser Pulse Formation. Annalen Der Physik, 2018, 530, 1800249.	2.4	6
39	Graphene Self-Phase-Lockers Formed around a Cu Wire Hub for Ring Resonators Incorporated into 57.8 Gigahertz Fiber Pulsed Lasers. ACS Nano, 2020, 14, 15944-15952.	14.6	6
40	Atomic Carbon Spraying: Direct Growth of Graphene on Customized 3D Surfaces of Ultrafast Optical Devices. Advanced Optical Materials, 2020, 8, 1902091.	7.3	6
41	Directly Synthesized Graphene-Based Photonics and Optoelectronics Devices. Applied Sciences (Switzerland), 2021, 11, 2768.	2.5	4
42	Lithography-free fabrication of field effect transistor channels with randomly contact-printed black phosphorus flakes. Materials Science in Semiconductor Processing, 2018, 86, 58-62.	4.0	2
43	Ultrafast photonic devices based on nanomaterials. , 2018, , .		0