

Xiao-Qing Yan

List of Publications by Year in descending order

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41
papers

1,189
citations

471061

17
h-index

377514

34
g-index

41
all docs

41
docs citations

41
times ranked

2175
citing authors

#	ARTICLE	IF	CITATIONS
1	Macroscopic and direct light propulsion of bulk graphene material. <i>Nature Photonics</i> , 2015, 9, 471-476.	15.6	192
2	Ultrafast Dynamics and Nonlinear Optical Responses from sp^2 - and sp^3 -Hybridized Domains in Graphene Oxide. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1972-1977.	2.1	166
3	High-quality and efficient transfer of large-area graphene films onto different substrates. <i>Carbon</i> , 2013, 56, 271-278.	5.4	143
4	Sensitive Real-Time Monitoring of Refractive Indexes Using a Novel Graphene-Based Optical Sensor. <i>Scientific Reports</i> , 2012, 2, 908.	1.6	72
5	Q-switched and mode-locked Er-doped fiber laser using $PtSe_2$ as a saturable absorber. <i>Photonics Research</i> , 2018, 6, 893.	3.4	71
6	Optical properties of chemical vapor deposition-grown $PtSe_2$ characterized by spectroscopic ellipsometry. <i>2D Materials</i> , 2019, 6, 035011.	2.0	58
7	Nonlinear optical and optical limiting properties of graphene hybrids covalently functionalized by phthalocyanine. <i>Chemical Physics Letters</i> , 2013, 577, 62-67.	1.2	51
8	Preparation of high-quality graphene using triggered microwave reduction under an air atmosphere. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1829-1835.	2.7	36
9	Polarization dependence of Z-scan measurement: theory and experiment. <i>Optics Express</i> , 2009, 17, 6397.	1.7	35
10	Third-order nonlinear susceptibility tensor elements of CS_2 at femtosecond time scale. <i>Optics Express</i> , 2011, 19, 5559.	1.7	32
11	Optical limiting effect and ultrafast saturable absorption in a solid PMMA composite containing porphyrin-covalently functionalized multi-walled carbon nanotubes. <i>Optics Express</i> , 2013, 21, 25277.	1.7	26
12	Nonlinear ellipse rotation modified Z-scan measurements of third-order nonlinear susceptibility tensor. <i>Optics Express</i> , 2007, 15, 13351.	1.7	24
13	The selective transfer of patterned graphene. <i>Scientific Reports</i> , 2013, 3, 3216.	1.6	21
14	Thickness-dependent ultrafast nonlinear absorption properties of $PtSe_2$ films with both semiconducting and semimetallic phases. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	21
15	Evolution of anisotropic-to-isotropic photoexcited carrier distribution in graphene. <i>Physical Review B</i> , 2014, 90, .	1.1	20
16	Nonlinear optical and optical limiting properties of fullerene, multi-walled carbon nanotubes, graphene and their derivatives with oxygen-containing functional groups. <i>Journal of Optics (United Kingdom)</i> , 2010, 13, 034001.	1.1	19
17	Ultrafast nonlinear absorption and carrier relaxation in ReS_2 and $ReSe_2$ films. <i>Journal of Applied Physics</i> , 2019, 125, 173105.	1.1	17
18	Transparent and flexible multi-layer films with graphene recording layers for optical data storage. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	16

#	ARTICLE	IF	CITATIONS
19	Substrate effect on the photoluminescence of chemical vapor deposition transferred monolayer WSe ₂ . Journal of Applied Physics, 2020, 128, 043101.	1.1	16
20	Analysis on the origin of the ultrafast optical nonlinearity of carbon disulfide around 800 nm. Optics Express, 2010, 18, 26169.	1.7	15
21	Discriminating thermal effect in nonlinear-ellipse-rotation-modified Z-scan measurements. Optics Letters, 2011, 36, 2086.	1.7	14
22	Polarization dependence of optical pump-induced change of graphene extinction coefficient. Optical Materials Express, 2015, 5, 1550.	1.6	14
23	Two-photon absorption and non-resonant electronic nonlinearities of layered semiconductor TlGaS ₂ . Optics Express, 2018, 26, 33895.	1.7	13
24	Sign of differential reflection and transmission in pump-probe spectroscopy of graphene on dielectric substrate. Photonics Research, 2015, 3, A1.	3.4	12
25	Controllable Doping of Transition-Metal Dichalcogenides by Organic Solvents. Advanced Electronic Materials, 2020, 6, 1901230.	2.6	10
26	Temperature-tunable optical properties and carrier relaxation of CuInP ₂ S ₆ crystals under ferroelectric-paraelectric phase transition. Journal of Materials Chemistry C, 2022, 10, 696-706.	2.7	9
27	Evolutions of polarization and nonlinearities in an isotropic nonlinear medium. Optics Express, 2008, 16, 8144.	1.7	8
28	Reply to 'Do thermal effects cause the propulsion of bulk graphene material?'. Nature Photonics, 2016, 10, 139-141.	15.6	7
29	Thickness-dependent ultrafast charge-carrier dynamics and coherent acoustic phonon oscillations in mechanically exfoliated PdSe ₂ flakes. Physical Chemistry Chemical Physics, 2021, 23, 20666-20674.	1.3	7
30	Polarization characteristics of nonlinear refraction and nonlinear scattering in several solvents. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2721.	0.9	6
31	Polarization dependence of graphene transient optical response: interplay between incident direction and anisotropic distribution of nonequilibrium carriers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 218.	0.9	6
32	Modified elliptically polarized light Z-scan method for studying third-order nonlinear susceptibility components. Optics Express, 2010, 18, 10270.	1.7	5
33	Making transient optical reflection of graphene polarization dependent. Optics Express, 2015, 23, 24177.	1.7	5
34	Photoresponse in a Strain-Induced Graphene Wrinkle Superlattice. Journal of Physical Chemistry Letters, 2020, 11, 5059-5067.	2.1	5
35	Critical Strain-Induced Photoresponse in Folded Graphene Superlattices. ACS Applied Materials & Interfaces, 2021, 13, 21573-21581.	4.0	5
36	Ultrafast Photocarrier Dynamics and Nonlinear Optical Absorption of a Layered Quaternary AgInP ₂ S ₆ Crystal. Journal of Physical Chemistry C, 2022, 126, 6837-6846.	1.5	5

#	ARTICLE	IF	CITATIONS
37	Measuring third-order susceptibility tensor elements of monolayer MoS ₂ using the optical Kerr effect method. <i>Applied Physics Letters</i> , 2018, 113, 051901.	1.5	4
38	Study on optical nonlinearity and optical limiting property of porphyrin-oxygenated carbon nanomaterial blends. <i>Optoelectronics Letters</i> , 2015, 11, 161-165.	0.4	2
39	Abnormal Spatial Shifts in Graphene Measured via the Beam Displacement Amplification Technique: Implications for Sensors Based on the Goos-Hänchen Effect. <i>ACS Applied Nano Materials</i> , 2021, 4, 13477-13485.	2.4	2
40	Influence of sample depletion on Z-scan measurements of hydroxyl groups modified multi-walled carbon nanotubes dispersions. <i>Materials Research Express</i> , 2019, 6, 045611.	0.8	0
41	Layer contribution to optical signals of van der Waals heterostructures. <i>Nanoscale Advances</i> , 2021, 3, 3114-3123.	2.2	0