

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	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
2	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
3	Layer contribution to optical signals of van der Waals heterostructures. Nanoscale Advances, 2021, 3, 3114-3123.	2.2	0
4	Critical Strain-Induced Photoresponse in Folded Graphene Superlattices. ACS Applied Materials & Interfaces, 2021, 13, 21573-21581.	4.0	5
5	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
6	Abnormal Spatial Shifts in Graphene Measured via the Beam Displacement Amplification Technique: Implications for Sensors Based on the Goos-Hänchen Effect. ACS Applied Nano Materials, 2021, 4, 13477-13485.	2.4	2
7	Substrate effect on the photoluminescence of chemical vapor deposition transferred monolayer WSe ₂ . Journal of Applied Physics, 2020, 128, 043101.	1.1	16
8	Photoresponse in a Strain-Induced Graphene Wrinkle Superlattice. Journal of Physical Chemistry Letters, 2020, 11, 5059-5067.	2.1	5
9	Controllable Doping of Transition-Metal Dichalcogenides by Organic Solvents. Advanced Electronic Materials, 2020, 6, 1901230.	2.6	10
10	Ultrafast nonlinear absorption and carrier relaxation in ReS ₂ and ReSe ₂ films. Journal of Applied Physics, 2019, 125, 173105.	1.1	17
11	Optical properties of chemical vapor deposition-grown PtSe ₂ characterized by spectroscopic ellipsometry. 2D Materials, 2019, 6, 035011.	2.0	58
12	Thickness-dependent ultrafast nonlinear absorption properties of PtSe ₂ films with both semiconducting and semimetallic phases. Applied Physics Letters, 2019, 115, .	1.5	21
13	Influence of sample depletion on Z-scan measurements of hydroxyl groups modified multi-walled carbon nanotubes dispersions. Materials Research Express, 2019, 6, 045611.	0.8	0
14	Preparation of high-quality graphene using triggered microwave reduction under an air atmosphere. Journal of Materials Chemistry C, 2018, 6, 1829-1835.	2.7	36
15	Q-switched and mode-locked Er-doped fiber laser using PtSe ₂ as a saturable absorber. Photonics Research, 2018, 6, 893.	3.4	71
16	Measuring third-order susceptibility tensor elements of monolayer MoS ₂ using the optical Kerr effect method. Applied Physics Letters, 2018, 113, 051901.	1.5	4
17	Two-photon absorption and non-resonant electronic nonlinearities of layered semiconductor TI GaS ₂ . Optics Express, 2018, 26, 33895.	1.7	13
18	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

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19	Reply to 'Do thermal effects cause the propulsion of bulk graphene material?'. Nature Photonics, 2016, 10, 139-141.	15.6	7
20	Study on optical nonlinearity and optical limiting property of porphyrin-oxygenated carbon nanomaterial blends. Optoelectronics Letters, 2015, 11, 161-165.	0.4	2
21	Macroscopic and direct light propulsion of bulk graphene material. Nature Photonics, 2015, 9, 471-476.	15.6	192
22	Polarization dependence of optical pump-induced change of graphene extinction coefficient. Optical Materials Express, 2015, 5, 1550.	1.6	14
23	Making transient optical reflection of graphene polarization dependent. Optics Express, 2015, 23, 24177.	1.7	5
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	Nonlinear optical and optical limiting properties of fullerene, multi-walled carbon nanotubes, graphene and their derivatives with oxygen-containing functional groups. Journal of Optics (United Kingdom), 2014, 11, 0780314.	0.7	14
26	Evolution of anisotropic-to-isotropic photoexcited carrier distribution in graphene. Physical Review B, 2014, 90, .	1.1	20
27	Nonlinear optical and optical limiting properties of graphene hybrids covalently functionalized by phthalocyanine. Chemical Physics Letters, 2013, 577, 62-67.	1.2	51
28	High-quality and efficient transfer of large-area graphene films onto different substrates. Carbon, 2013, 56, 271-278.	5.4	143
29	Transparent and flexible multi-layer films with graphene recording layers for optical data storage. Applied Physics Letters, 2013, 102, .	1.5	16
30	The selective transfer of patterned graphene. Scientific Reports, 2013, 3, 3216.	1.6	21
31	Optical limiting effect and ultrafast saturable absorption in a solid PMMA composite containing porphyrin-covalently functionalized multi-walled carbon nanotubes. Optics Express, 2013, 21, 25277.	1.7	26
32	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
33	Sensitive Real-Time Monitoring of Refractive Indexes Using a Novel Graphene-Based Optical Sensor. Scientific Reports, 2012, 2, 908.	1.6	72
34	Ultrafast Dynamics and Nonlinear Optical Responses from sp ² - and sp ³ -Hybridized Domains in Graphene Oxide. Journal of Physical Chemistry Letters, 2011, 2, 1972-1977.	2.1	166
35	Third-order nonlinear susceptibility tensor elements of CS ₂ at femtosecond time scale. Optics Express, 2011, 19, 5559.	1.7	32
36	Discriminating thermal effect in nonlinear-ellipse-rotation-modified Z-scan measurements. Optics Letters, 2011, 36, 2086.	1.7	14

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37	Modified elliptically polarized light Z-scan method for studying third-order nonlinear susceptibility components. Optics Express, 2010, 18, 10270.	1.7	5
38	Analysis on the origin of the ultrafast optical nonlinearity of carbon disulfide around 800 nm. Optics Express, 2010, 18, 26169.	1.7	15
39	Polarization dependence of Z-scan measurement: theory and experiment. Optics Express, 2009, 17, 6397.	1.7	35
40	Evolutions of polarization and nonlinearities in an isotropic nonlinear medium. Optics Express, 2008, 16, 8144.	1.7	8
41	Nonlinear ellipse rotation modified Z-scan measurements of third-order nonlinear susceptibility tensor. Optics Express, 2007, 15, 13351.	1.7	24