Chuanshan Tian

List of Publications by Year
in descending order

59 papers	4,393 citations	218677 26 h-index	168389 53 g-index
59 all docs	59 docs citations	59 times ranked	5360 citing authors

#	Article	IF	Citations
1	Spatially homogeneous few-cycle compression of Yb lasers via all-solid-state free-space soliton management. Optics Express, 2022, 30, 2918.	3.4	12
2	Self-Suppression of the Giant Coherent Anti-Stokes Raman Scattering Background for Detection of Buried Interfaces with Submonolayer Sensitivity. Journal of Physical Chemistry Letters, 2022, , 1465-1472.	4.6	0
3	Study of Thermal Expansion Coefficient of Graphene via Raman Microâ€Spectroscopy: Revisited. Small, 2021, 17, e2006146.	10.0	7
4	Solitary beam propagation in periodic layered Kerr media enables high-efficiency pulse compression and mode self-cleaning. Light: Science and Applications, 2021, 10, 53.	16.6	29
5	ç”²çƒ·æ°´å•ç‰©æˆè¡ç¨çš„å®žéªŒç”ç©¶è¿å±•ï¼ˆç‰¹é‚€ï¼‰. Guangzi Xuebao/Acta Photonica Sinica, 2021, 50, 0850205.	0.3	0
6	Active spintronic-metasurface terahertz emitters with tunable chirality. Advanced Photonics, 2021, 3, .	11.8	25
7	Stabilization of Hydroxide Ions at the Interface of a Hydrophobic Monolayer on Water via Reduced Proton Transfer. Physical Review Letters, 2020, 125, 156803.	7.8	21
8	Response to â€œComment on â€˜Phase-sensitive sum frequency vibrational spectroscopic study of air/water interfaces: H2O, D2O, and diluted isotopic mixturesâ€™â€•[J. Chem. Phys. 152, 237101 (2020)]. Journal of Chemical Physics, 2020, 152, 237102.	3.0	11
9	Programmable graphene nanobubbles with three-fold symmetric pseudo-magnetic fields. Nature Communications, 2019, 10, 3127.	12.8	69
10	Mapping Dynamical Magnetic Responses of Ultrathin Micron-Size Superconducting Films Using Nitrogen-Vacancy Centers in Diamond. Nano Letters, 2019, 19, 5697-5702.	9.1	18
11	Nucleation and dissociation of methane clathrate embryo at the gasâ€“water interface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23410-23415.	7.1	18
12	Phase-sensitive sum frequency vibrational spectroscopic study of air/water interfaces: H2O, D2O, and diluted isotopic mixtures. Journal of Chemical Physics, 2019, 150, 144701.	3.0	32
13	Enhancement of femtosecond surface nonlinear optical signals with spatiotemporal focusing. Optics Letters, 2019, 44, 3921.	3.3	1
14	Sharing of Na⁺ by Three â^'COO^{â€"} Groups at Deprotonated Carboxyl-Terminated Self-Assembled Monolayer-Charged Aqueous Interface. Journal of Physical Chemistry C, 2018, 122, 9111-9116.	3.1	3
15	Theoretical analysis and simulation of pulsed laser heating at interface. Journal of Applied Physics, 2018, 123, .	2.5	22
16	Mechanism of Electric Power Generation from Ionic Droplet Motion on Polymer Supported Graphene. Journal of the American Chemical Society, 2018, 140, 13746-13752.	13.7	87
17	Surface Tension and Electrostriction in a Suspended Bridge of Dielectric Liquid. Chinese Physics Letters, 2018, 35, 106801.	3.3	0
18	Absence of detectable MOKE signals from spin Hall effect in metals. Applied Physics Letters, 2017, 110, 042401.	3.3	13

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19	Enhanced light-matter interactions in graphene-covered dielectric magnetic mirrors. Optics Express, 2017, 25, 30754.	3.4	15
20	Surface pH and Ion Affinity at the Alcohol-Monolayer/Water Interface Studied by Sum-Frequency Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 15224-15229.	3.1	37
21	Phase reference in phase-sensitive sum-frequency vibrational spectroscopy. Journal of Chemical Physics, 2016, 144, 244711.	3.0	64
22	Unveiling microscopic structures of charged water interfaces by surface-specific vibrational spectroscopy. , 2016, , .		0
23	Response to â€œComment on â€˜Phase reference in phase-sensitive sum-frequency vibrational spectroscopyâ€â€™ [J. Chem. Phys. 145, 167101 (2016)]. Journal of Chemical Physics, 2016, 145, 167102.	3.0	11
24	Unveiling Microscopic Structures of Charged Water Interfaces by Surface-Specific Vibrational Spectroscopy. Physical Review Letters, 2016, 116, 016101.	7.8	244
25	Structure of the Submonolayer of Ethanol Adsorption on a Vapor/Fused Silica Interface Studied with Sum Frequency Vibrational Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 4573-4580.	2.5	29
26	Surface sum-frequency vibrational spectroscopy of nonpolar media. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5883-5887.	7.1	38
27	Polymer Adsorption on Graphite and CVD Graphene Surfaces Studied by Surface-Specific Vibrational Spectroscopy. Nano Letters, 2015, 15, 6501-6505.	9.1	39
28	STUDY OF WATER INTERFACES WITH PHASE-SENSITIVE SUM FREQUENCY VIBRATIONAL SPECTROSCOPY. Advances in Multi-photon Processes and Spectroscopy, 2014, , 163-193.	0.6	0
29	Recent progress on sum-frequency spectroscopy. Surface Science Reports, 2014, 69, 105-131.	7.2	158
30	Long lived photoexcitation dynamics in Ï€-conjugated polymer and fullerene blended films. Organic Electronics, 2013, 14, 2058-2064.	2.6	16
31	Surface Propensities of Atmospherically Relevant Ions in Salt Solutions Revealed by Phase-Sensitive Sum Frequency Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 1946-1949.	4.6	116
32	Effect of pH on the Water/Î±-Al₂O₃ (11Ì…02) Interface Structure Studied by Sum-Frequency Vibrational Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 13887-13893.	3.1	56
33	Surface Structure of Protonated R-Sapphire (11Ì…02) Studied by Sum-Frequency Vibrational Spectroscopy. Journal of the American Chemical Society, 2011, 133, 3846-3853.	13.7	36
34	Morphology of monolayer Cu_{<i>x</i>}Au_{1 âˆ'<i>x</i>}on Cu(001). Journal of Physics Condensed Matter, 2010, 22, 395007.	1.8	1
35	Sum-Frequency Spectroscopic Study of Langmuir Monolayers of Lipids Having Oppositely Charged Headgroups. Langmuir, 2010, 26, 18266-18272.	3.5	54
36	Correlation between spin reorientation transition and Curie temperature ofNixPd1âˆ'xalloy on Cu(001). Physical Review B, 2009, 79, .	3.2	2

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37	Structure and charging of hydrophobic material/water interfaces studied by phase-sensitive sum-frequency vibrational spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15148-15153.	7.1	280
38	Nanoporous silica-water interfaces studied by sum-frequency vibrational spectroscopy. Journal of Chemical Physics, 2009, 130, 154702.	3.0	34
39	Sum-frequency vibrational spectroscopic studies of water/vapor interfaces. Chemical Physics Letters, 2009, 470, 1-6.	2.6	141
40	Isotopic Dilution Study of the Water/Vapor Interface by Phase-Sensitive Sum-Frequency Vibrational Spectroscopy. Journal of the American Chemical Society, 2009, 131, 2790-2791.	13.7	185
41	Magnetic anisotropy tuned by interfacial engineering. Applied Physics Letters, 2009, 95, .	3.3	6
42	Interfacial Structures of Acidic and Basic Aqueous Solutions. Journal of the American Chemical Society, 2008, 130, 13033-13039.	13.7	183
43	Comment on â€œVibrational Response of Hydrogen-Bonded Interfacial Water is Dominated by Intramolecular Couplingâ€• Physical Review Letters, 2008, 101, 139401; author reply 139402.	7.8	29
44	Structures and Charging of Î±-Alumina (0001)/Water Interfaces Studied by Sum-Frequency Vibrational Spectroscopy. Journal of the American Chemical Society, 2008, 130, 7686-7694.	13.7	190
45	Measurement of the thickness-dependent magnetic anisotropy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Co</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">As</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>001</mml:mn><mml:mo>)</mml:mo></mml:mrow Physical Review B, 2008, 77, .	3.2	13
46	Gate-Variable Optical Transitions in Graphene. Science, 2008, 320, 206-209.	12.6	1,433
47	Characterization of Vibrational Resonances of Water-Vapor Interfaces by Phase-Sensitive Sum-Frequency Spectroscopy. Physical Review Letters, 2008, 100, 096102.	7.8	288
48	Magnetism and magnetic anisotropy of NixPd1â^'x alloy. Journal of Magnetism and Magnetic Materials, 2007, 310, 1804-1806.	2.3	3
49	Capping effects of Au on Fe/GaAs(001) studied by magneto-optical Kerr effect. Thin Solid Films, 2007, 515, 7290-7293.	1.8	12
50	Magnetocrystalline Anisotropy in Permalloy Revisited. Physical Review Letters, 2006, 97, 067203.	7.8	91
51	Magnetic properties of Coâ€"Pt alloy nanowire arrays in anodic alumina templates. Journal of Magnetism and Magnetic Materials, 2006, 300, 471-478.	2.3	34
52	Effect of Mn overlayer on spin reorientation transition at Ni/Cu(001). Journal of Magnetism and Magnetic Materials, 2005, 286, 497-500.	2.3	3
53	Exchange biasing and coercivity enhancement in CoCr/FeMn bilayers with granular ferromagnet. Journal of Magnetism and Magnetic Materials, 2005, 286, 253-257.	2.3	0
54	Layer-selective spectroscopy ofFeâ^•GaAs(001): Influence of the interface on the magnetic properties. Physical Review B, 2005, 72, .	3.2	18

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55	Body-Centered-Cubic Ni and Its Magnetic Properties. Physical Review Letters, 2005, 94, 137210.	7.8	114
56	Coercivity and magnetization reversal mechanism in ferromagnet/antiferromagnet bilayers: Correlation with microstructure of ferromagnetic layers. Physical Review B, 2005, 71, .	3.2	12
57	Interface magnetization profiling by x-ray magnetometry of marker impurities on Feâˆ•GaAs(001)-(4Ã—6). Applied Physics Letters, 2005, 87, 042506.	3.3	5
58	Magnetization profile at the Fe/GaAs(001)-4Ã—6 interface. Physica B: Condensed Matter, 2004, 345, 177-180.	2.7	11
59	Magnetic ordering and anisotropy of epitaxially grownFexCu1âˆ'xalloy onGaAs(001). Physical Review B, 2004, 70, .	3.2	24