

# Claudio Masciovecchio

## List of Publications by Year in descending order

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194  
papers

5,981  
citations

66315

42  
h-index

88593

70  
g-index

200  
all docs

200  
docs citations

200  
times ranked

4449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-wavelength four wave mixing experiments using single and two-color schemes at FERMI. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 257, 146901.	0.8	2
2	All-Optical Switching on the Nanometer Scale Excited and Probed with Femtosecond Extreme Ultraviolet Pulses. <i>Nano Letters</i> , 2022, 22, 4452-4458.	4.5	9
3	Insight into the thermal stability of DNA in hydrated ionic liquids from multi-wavelength UV resonance Raman experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15980-15988.	1.3	6
4	Ultrafast Dynamics of Plasmon-Mediated Charge Transfer in Ag@CeO <sub>2</sub> Studied by Free Electron Laser Time-Resolved X-ray Absorption Spectroscopy. <i>Nano Letters</i> , 2021, 21, 1729-1734.	4.5	16
5	Nanoscale Transient Magnetization Gratings Created and Probed by Femtosecond Extreme Ultraviolet Pulses. <i>Nano Letters</i> , 2021, 21, 2905-2911.	4.5	16
6	Non-linear self-driven spectral tuning of Extreme Ultraviolet Femtosecond Pulses in monoatomic materials. <i>Light: Science and Applications</i> , 2021, 10, 92.	7.7	6
7	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
8	Base-specific pre-melting and melting transitions of DNA in presence of ionic liquids probed by synchrotron-based UV resonance Raman scattering. <i>Journal of Molecular Liquids</i> , 2021, 330, 115433.	2.3	8
9	Generation and detection of 50 GHz surface acoustic waves by extreme ultraviolet pulses. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	15
10	UV Resonance Raman explores protein structural modification upon fibrillation and ligand interaction. <i>Biophysical Journal</i> , 2021, 120, 4575-4589.	0.2	5
11	Nanoscale Thermoelasticity in Silicon Nitride Membranes: Implications for Thermal Management. <i>ACS Applied Nano Materials</i> , 2021, 4, 10519-10527.	2.4	5
12	Atomic and Electronic Structure of Solid-Density Liquid Carbon. <i>Physical Review Letters</i> , 2020, 125, 155703.	2.9	10
13	Synchrotron-based ultraviolet resonance Raman scattering for material science. , 2020, , 447-482.		11
14	Investigation of genomic <sc>DNA</sc> methylation by ultraviolet resonant Raman spectroscopy. <i>Journal of Biophotonics</i> , 2020, 13, e202000150.	1.1	10
15	Photon beam line of the water window FEL for the EuPRAXIA@SPARC_LAB project. <i>Journal of Physics: Conference Series</i> , 2020, 1596, 012039.	0.3	2
16	Ultrafast Plasmon Dynamics in Crystalline LiF Triggered by Intense Extreme UV Pulses. <i>Physical Review Letters</i> , 2020, 124, 184801.	2.9	4
17	Polymorphism of human telomeric quadruplexes with drugs: a multi-technique biophysical study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11583-11592.	1.3	18
18	Free Electron Laser Measurement of Liquid Carbon Reflectivity in the Extreme Ultraviolet. <i>Photonics</i> , 2020, 7, 35.	0.9	0

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19	Rayleigh scattering and disorder-induced mixing of polarizations in amorphous solids at the nanoscale: 1-octyl-3-methylimidazolium chloride glass. <i>Physical Review B</i> , 2020, 102, .	1.1	1
20	Exploring the multiparameter nature of EUV-visible wave mixing at the FERMI FEL. <i>Structural Dynamics</i> , 2019, 6, 040901.	0.9	3
21	Thermoelasticity of Nanoscale Silicon Carbide Membranes Excited by Extreme Ultraviolet Transient Gratings: Implications for Mechanical and Thermal Management. <i>ACS Applied Nano Materials</i> , 2019, 2, 5132-5139.	2.4	10
22	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	4.7	54
23	Nonlinear XUV-optical transient grating spectroscopy at the Si L <sub>2,3</sub> edge. <i>Applied Physics Letters</i> , 2019, 114, 181101.	1.5	15
24	Coherent soft X-ray pulses from an echo-enabled harmonic generation free-electron laser. <i>Nature Photonics</i> , 2019, 13, 555-561.	15.6	92
25	The Potential of EuPRAXIA@SPARC_LAB for Radiation Based Techniques. <i>Condensed Matter</i> , 2019, 4, 30.	0.8	12
26	Aqueous solvation of glutathione probed by UV resonance Raman spectroscopy. <i>Journal of Molecular Liquids</i> , 2019, 283, 537-547.	2.3	14
27	Frontiers of UV resonant raman spectroscopy by using synchrotron radiation: the case of aqueous solvation of model peptides. , 2019, , .		3
28	Conformational stability of DNA in hydrated ionic liquid by synchrotron-based UV resonance raman. , 2019, , .		2
29	The quality is in the eye of the beholder: The perspective of FTIR and UV resonant Raman spectroscopies on extracted nucleic acids. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1056-1065.	1.2	7
30	TiO <sub>2</sub> @SiO <sub>2</sub> @PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO <sub>2</sub> . <i>Construction and Building Materials</i> , 2018, 166, 464-471.	3.2	54
31	Roadmap of ultrafast x-ray atomic and molecular physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 032003.	0.6	240
32	Soft X-Ray Second Harmonic Generation as an Interfacial Probe. <i>Physical Review Letters</i> , 2018, 120, 023901.	2.9	64
33	Characterization of ultrafast free-electron laser pulses using extreme-ultraviolet transient gratings. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 32-38.	1.0	12
34	Hydration properties and water structure in aqueous solutions of native and modified cyclodextrins by $\langle \text{sc} \rangle \text{UV R} \langle / \text{sc} \rangle$ aman and $\langle \text{sc} \rangle \text{B} \langle / \text{sc} \rangle$ rillouin scattering. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1076-1085.	1.2	13
35	Advances in instrumentation for FEL-based four-wave-mixing experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 907, 132-148.	0.7	18
36	Timing methodologies and studies at the FERMI free-electron laser. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 44-51.	1.0	5

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37	Structure of human telomere G-quadruplex in the presence of a model drug along the thermal unfolding pathway. <i>Nucleic Acids Research</i> , 2018, 46, 11927-11938.	6.5	31
38	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. <i>Scientific Reports</i> , 2018, 8, 15466.	1.6	6
39	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	28
40	Structural and molecular response in cyclodextrin-based pH-sensitive hydrogels by the joint use of Brillouin, UV Raman and Small Angle Neutron Scattering techniques. <i>Journal of Molecular Liquids</i> , 2018, 271, 738-746.	2.3	6
41	Extreme ultraviolet probing of nonequilibrium dynamics in high energy density germanium. <i>Physical Review B</i> , 2018, 97, .	1.1	7
42	Two-photon absorption of soft X-ray free electron laser radiation by graphite near the carbon K-absorption edge. <i>Chemical Physics Letters</i> , 2018, 703, 112-116.	1.2	9
43	Two-bunch operation with ns temporal separation at the FERMI FEL facility. <i>New Journal of Physics</i> , 2018, 20, 053047.	1.2	6
44	First Evidence of Purely Extreme-Ultraviolet Four-Wave Mixing. <i>Physical Review Letters</i> , 2018, 120, 263901.	2.9	37
45	Optical constants modelling in silicon nitride membrane transiently excited by EUV radiation. <i>Optics Express</i> , 2018, 26, 11877.	1.7	6
46	Avoiding Ethanol Presence in DNA Samples Enhances the Performance of Ultraviolet Resonance Raman Spectroscopy Analysis. <i>Applied Spectroscopy</i> , 2017, 71, 152-155.	1.2	2
47	Myelography Iodinated Contrast Media. 2. Conformational Versatility of Iopamidol in the Solid State. <i>Molecular Pharmaceutics</i> , 2017, 14, 468-477.	2.3	4
48	Perspective: A toolbox for protein structure determination in physiological environment through oriented, 2D ordered, site specific immobilization. <i>Structural Dynamics</i> , 2017, 4, 044017.	0.9	2
49	The EIS beamline at the seeded free-electron laser FERMI. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
50	Short-wavelength free-electron laser sources and science: a review. <i>Reports on Progress in Physics</i> , 2017, 80, 115901.	8.1	183
51	Long-lived nonthermal electron distribution in aluminum excited by femtosecond extreme ultraviolet radiation. <i>Physical Review B</i> , 2017, 96, .	1.1	13
52	Correlation between collective and molecular dynamics in pH-responsive cyclodextrin-based hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22555-22563.	1.3	13
53	Perspective: Free Electron Lasersâ€™ Future Challenges. <i>Synchrotron Radiation News</i> , 2017, 30, 17-20.	0.2	0
54	Tuning structural parameters for the optimization of drug delivery performance of cyclodextrin-based nanosponges. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 331-340.	2.4	46

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55	High resolution beam profiling of X-ray free electron laser radiation by polymer imprint development. Optics Express, 2017, 25, 30686.	1.7	23
56	FERMI: Present and Future Challenges. Applied Sciences (Switzerland), 2017, 7, 640.	1.3	14
57	Transient EUV Reflectivity Measurements of Carbon upon Ultrafast Laser Heating. Photonics, 2017, 4, 23.	0.9	6
58	Generation of coherent magnons in NiO stimulated by EUV pulses from a seeded free-electron laser. Physical Review Materials, 2017, 1, .	0.9	6
59	Four-wave-mixing experiments and beyond: the TIMER/mini-TIMER setups at FERMI. , 2017, , .		4
60	The FERMI seeded-FEL facility: Status and perspectives. AIP Conference Proceedings, 2016, , .	0.3	4
61	Toward an integrated device for spatiotemporal superposition of free-electron lasers and laser pulses. Optics Letters, 2016, 41, 5090.	1.7	3
62	Free electron laser-driven ultrafast rearrangement of the electronic structure in Ti. Structural Dynamics, 2016, 3, 023604.	0.9	13
63	Vibrational signatures of the water behaviour upon confinement in nanoporous hydrogels. Physical Chemistry Chemical Physics, 2016, 18, 12252-12259.	1.3	10
64	Solute-Solvent Interactions in Aqueous Solutions of Sulfobutyl Ether- $\beta$ -cyclodextrin As Probed by UV-Raman and FTIR-ATR Analysis. Journal of Physical Chemistry B, 2016, 120, 3746-3753.	1.2	6
65	Stacking of purines in water: the role of dipolar interactions in caffeine. Physical Chemistry Chemical Physics, 2016, 18, 13478-13486.	1.3	25
66	Experimental setups for FEL-based four-wave mixing experiments at FERMI. Journal of Synchrotron Radiation, 2016, 23, 132-140.	1.0	9
67	Four-wave-mixing experiments with seeded free electron lasers. Faraday Discussions, 2016, 194, 283-303.	1.6	20
68	Guest-matrix interactions affect the solvation of cyclodextrin-based polymeric hydrogels: a UV Raman scattering study. Soft Matter, 2016, 12, 8861-8868.	1.2	11
69	Nonlinear optics with coherent free electron lasers. Physica Scripta, 2016, T169, 014003.	1.2	5
70	Ultrafast reflectivity dynamics of highly excited Si surfaces below the melting transition. Physical Review B, 2016, 94, .	1.1	10
71	Results and Perspectives for Short-Wavelength, Four-Wave-Mixing Experiments with Fully Coherent Free Electron Lasers. Synchrotron Radiation News, 2016, 29, 15-20.	0.2	3
72	Spectroscopic investigation of Roman decorated plasters by combining FT-IR, micro-Raman and UV-Raman analyses. Vibrational Spectroscopy, 2016, 83, 78-84.	1.2	19

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73	Matter under extreme conditions probed by a seeded free-electron-laser. AIP Conference Proceedings, 2015, , .	0.3	0
74	Liquid Carbon Reflectivity at 19 nm. Photonics, 2015, 2, 50-56.	0.9	2
75	Slow-to-fast transition of hydrogen bond dynamics in acetamide hydration shell formation. Physical Chemistry Chemical Physics, 2015, 17, 10987-10992.	1.3	9
76	Oxidative damage in DNA bases revealed by UV resonant Raman spectroscopy. Analyst, The, 2015, 140, 1477-1485.	1.7	41
77	Water and polymer dynamics in a model polysaccharide hydrogel: the role of hydrophobic/hydrophilic balance. Physical Chemistry Chemical Physics, 2015, 17, 963-971.	1.3	27
78	Multipurpose end-station for coherent diffraction imaging and scattering at FERMI@Elettra free-electron laser facility. Journal of Synchrotron Radiation, 2015, 22, 544-552.	1.0	29
79	Toward an understanding of the thermosensitive behaviour of pH-responsive hydrogels based on cyclodextrins. Soft Matter, 2015, 11, 5862-5871.	1.2	18
80	EIS: the scattering beamline at FERMI. Journal of Synchrotron Radiation, 2015, 22, 553-564.	1.0	33
81	Broadband multilayer optics for ultrafast EUV absorption spectroscopy with free electron laser radiation. Journal of Optics (United Kingdom), 2015, 17, 025505.	1.0	8
82	Toward the Extreme Ultra Violet Four Wave Mixing Experiments: From Table Top Lasers to Fourth Generation Light Sources. Photonics, 2015, 2, 57-70.	0.9	1
83	FEL-based transient grating spectroscopy. Proceedings of SPIE, 2015, , .	0.8	2
84	Four-wave mixing experiments with extreme ultraviolet transient gratings. Nature, 2015, 520, 205-208.	13.7	184
85	Combining Raman and infrared spectroscopy as a powerful tool for the structural elucidation of cyclodextrin-based polymeric hydrogels. Physical Chemistry Chemical Physics, 2015, 17, 10274-10282.	1.3	16
86	Probing the molecular connectivity of water confined in polymer hydrogels. Journal of Chemical Physics, 2015, 142, 014901.	1.2	13
87	Role of the ionization potential in nonequilibrium metals driven to absorption saturation. Physical Review E, 2015, 92, 011101.	0.8	6
88	Multilayer coatings for free electron laser sources. , 2015, , .		0
89	Practical way to avoid spurious geometrical contributions in Brillouin light scattering experiments at variable scattering angles. Optics Letters, 2014, 39, 5858.	1.7	5
90	Towards jitter-free pump-probe measurements at seeded free electron laser facilities. Optics Express, 2014, 22, 12869.	1.7	83

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91	Determination of dynamical parameters in liquids by homodyne transient grating spectroscopy at large angles. <i>Optics Letters</i> , 2014, 39, 5110.	1.7	8
92	Spatial correlation between chemical and topological defects in vitreous silica: UV-resonance Raman study. <i>Journal of Chemical Physics</i> , 2014, 140, 244505.	1.2	6
93	Interplay of electron heating and saturable absorption in ultrafast extreme ultraviolet transmission of condensed matter. <i>Physical Review B</i> , 2014, 90, .	1.1	10
94	Coherent and transient states studied with extreme ultraviolet and X-ray free electron lasers: present and future prospects. <i>Advances in Physics</i> , 2014, 63, 327-404.	35.9	15
95	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 138-146.	0.7	9
96	Multi-colour pulses from seeded free-electron-lasers: towards the development of non-linear core-level coherent spectroscopies. <i>Faraday Discussions</i> , 2014, 171, 487-503.	1.6	29
97	Role of multilayer-like interference effects on the transient optical response of Si3N4 films pumped with free-electron laser pulses. <i>Applied Physics Letters</i> , 2014, 104, 191104.	1.5	19
98	Reflectivity enhancement in titanium by ultrafast XUV irradiation. <i>Scientific Reports</i> , 2014, 4, 4952.	1.6	7
99	Thermodynamic hydration shell behavior of glycine. <i>Journal of Chemical Physics</i> , 2013, 139, 015101.	1.2	11
100	Water Dynamics and Structural Relaxation in Concentrated Sugar Solutions. <i>Food Biophysics</i> , 2013, 8, 183-191.	1.4	8
101	UV resonant Raman scattering facility at Elettra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 703, 33-37.	0.7	64
102	Status and achievements at FERMI@Elettra: the first double cascade seeded EUV-SXR FEL facility open to users. , 2013, , .		3
103	Four wave mixing using coherent FEL radiation. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
104	Nanoscale dynamics by short-wavelength four wave mixing experiments. <i>New Journal of Physics</i> , 2013, 15, 123023.	1.2	33
105	Two-colour pump-probe experiments with a twin-pulse-seed extreme ultraviolet free-electron laser. <i>Nature Communications</i> , 2013, 4, 2476.	5.8	156
106	Tunability experiments at the FERMI@Elettra free-electron laser. <i>New Journal of Physics</i> , 2012, 14, 113009.	1.2	81
107	A high resolution ultraviolet Brillouin scattering set-up. <i>Review of Scientific Instruments</i> , 2012, 83, 103102.	0.6	8
108	An active optics system for EUV/soft x-ray beam shaping. <i>Proceedings of SPIE</i> , 2012, , .	0.8	11

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109	Progress in Liquid and Glass Physics by Brillouin Scattering Spectroscopy. Solid State Physics, 2012, , 1-77.	1.3	33
110	Investigation of Acetic Acid Hydration Shell Formation through Raman Spectra Line-Shape Analysis. Journal of Physical Chemistry B, 2012, 116, 13219-13227.	1.2	21
111	Determination of the Ion Temperature in a Stainless Steel Slab Exposed to Intense Ultrashort Laser Pulses. Physical Review Letters, 2012, 109, 025005.	2.9	5
112	Hydrophobic hydration of tert-butyl alcohol studied by Brillouin light and inelastic ultraviolet scattering. Journal of Chemical Physics, 2011, 134, 055104.	1.2	28
113	Probing matter under extreme conditions at Fermi@Elettra: the TIMEX beamline. Proceedings of SPIE, 2011, , .	0.8	14
114	All-reflective femtosecond optical pump-probe setup for transient grating spectroscopy. Optics Letters, 2011, 36, 1032.	1.7	12
115	Longitudinal acoustic compliance and tagged particle susceptibility in liquid and supercooled glycerol. Journal of Non-Crystalline Solids, 2011, 357, 515-517.	1.5	1
116	Pressure dependence of structural relaxation time in LiCl+6H <sub>2</sub> O solutions: A preliminary study. Journal of Non-Crystalline Solids, 2011, 357, 411-413.	1.5	0
117	Probing phase transitions under extreme conditions by ultrafast techniques: Advances at the Fermi@Elettra free-electron-laser facility. Journal of Non-Crystalline Solids, 2011, 357, 2641-2647.	1.5	14
118	A beam-shaping system for TIMEX beamline. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, S12-S15.	0.7	9
119	Technical advances of the TIMER project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, S69-S74.	0.7	15
120	Acoustic Dissipation and Density of States in Liquid, Supercooled, and Glassy Glycerol. Physical Review Letters, 2011, 106, 155701.	2.9	6
121	A viscoelastic analysis of inelastic X-ray scattering spectra from He/Ne mixtures. Philosophical Magazine, 2011, 91, 1767-1775.	0.7	3
122	The FERMI@Elettra FEL Photon Transport System. , 2010, , .		0
123	A method for estimating the temperature in high energy density free electron laser experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 621, 643-649.	0.7	7
124	The FERMI@Elettra free-electron-laser source for coherent x-ray physics: photon properties, beam transport system and applications. New Journal of Physics, 2010, 12, 075002.	1.2	155
125	Elastic properties of permanently densified silica: A Raman, Brillouin light, and x-ray scattering study. Physical Review B, 2010, 81, .	1.1	49
126	Temperature Dependence of Hydrogen-Bond Dynamics in Acetic Acid-Water Solutions. Journal of Physical Chemistry B, 2010, 114, 10628-10633.	1.2	19



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127	The mixed longitudinal-transverse nature of collective modes in water. <i>New Journal of Physics</i> , 2010, 12, 053008.	1.2	30
128	Onset of the $\beta$ -relaxation in the glass-forming solution $\text{LiCl}\cdot 6\text{H}_2\text{O}$ revealed by Brillouin scattering techniques. <i>Journal of Chemical Physics</i> , 2009, 131, 154507.	1.2	30
129	BaD ELPh: A 4m normal-incidence monochromator beamline at Elettra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 606, 780-784.	0.7	85
130	FEL-based transient grating spectroscopy to investigate nanoscale dynamics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 606, 785-789.	0.7	41
131	Temperature and density dependence of the structural relaxation time in water by inelastic ultraviolet scattering. <i>Journal of Chemical Physics</i> , 2009, 131, 144502.	1.2	28
132	Anomalous density dependence of structural relaxation time in water. <i>Philosophical Magazine</i> , 2008, 88, 4137-4142.	0.7	3
133	Density fluctuations of water-glucose mixtures studied by inelastic ultra-violet scattering. <i>Philosophical Magazine</i> , 2008, 88, 3991-3998.	0.7	7
134	Experimental Determination of Structural Relaxation in Trehalose-Water Solutions by Inelastic Ultraviolet Scattering. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
135	Maticet's Reply. <i>Physical Review Letters</i> , 2007, 98, .	2.9	1
136	Concentration-Temperature Dependencies of Structural Relaxation Time in Trehalose-Water Solutions by Brillouin Inelastic UV Scattering. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12577-12583.	1.1	15
137	Study of longitudinal dynamics of trehalose-water solutions by inelastic ultraviolet scattering. <i>Philosophical Magazine</i> , 2007, 87, 623-630.	0.7	4
138	Is There Any Fast Sound in Water?. <i>Physical Review Letters</i> , 2006, 97, 225701.	2.9	59
139	Ultraviolet Brillouin scattering as a new tool to investigate disordered systems. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5126-5129.	1.5	6
140	Evidence for a Crossover in the Frequency Dependence of the Acoustic Attenuation in Vitreous Silica. <i>Physical Review Letters</i> , 2006, 97, 035501.	2.9	100
141	Infinite frequency sound velocity in liquid water by inelastic UV scattering. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 941-945.	0.8	1
142	Brillouin ultraviolet light scattering on vitreous silica. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1919-1923.	1.5	3
143	Inelastic Ultraviolet Scattering from High Frequency Acoustic Modes in Glasses. <i>Physical Review Letters</i> , 2004, 92, 247401.	2.9	25
144	Calorimetry at Surfaces Using High-Resolution Core-Level Photoemission. <i>Physical Review Letters</i> , 2004, 93, 106105.	2.9	13

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145	Inelastic Ultra-Violet Scattering as a Tool to Investigate Collective Excitations in Condensed Matter Physics. AIP Conference Proceedings, 2004, , .	0.3	7
146	Structural Relaxation in Liquid Water by Inelastic UV Scattering. Physical Review Letters, 2004, 92, 255507.	2.9	50
147	Crystal-Like Nature of Acoustic Excitations in Glassy Ethanol. Physical Review Letters, 2004, 93, 145502.	2.9	32
148	Cusp-like temperature behavior of the nonergodicity factor in polybutadiene revealed by a joint light and x-ray Brillouin scattering investigation. Physical Review B, 2002, 65, .	1.1	15
149	TRACKING THERMALLY DRIVEN MOLECULAR REACTION AND FRAGMENTATION BY FAST PHOTOEMISSION: C60on Si(111). Surface Review and Letters, 2002, 09, 775-781.	0.5	9
150	Acoustic modes in the network glass Li2O-2B2O3: New evidence from inelastic X-ray scattering. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 243-249.	0.6	0
151	Brillouin light and X-ray study of glass-forming polybutadiene. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 273-281.	0.6	9
152	X-ray diffraction and Raman scattering measurements on silica xerogels. Journal of Non-Crystalline Solids, 2002, 307-310, 135-141.	1.5	14
153	Brillouin light and X-ray study of glass-forming polybutadiene. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 273-281.	0.6	2
154	Contrasting behaviour of acoustic modes in network and non-network glasses. Europhysics Letters, 2001, 54, 77-83.	0.7	47
155	Sound Wave Scattering in Network Glasses. Physical Review Letters, 2001, 86, 3803-3806.	2.9	51
156	Phonon dispersion curves in an argon single crystal at high pressure by inelastic x-ray scattering. Physical Review B, 2001, 63, .	1.1	50
157	Microscopic relaxation in supercritical and liquid neon. Journal of Chemical Physics, 2001, 114, 2259-2267.	1.2	46
158	Is there any evidence of a positive sound dispersion in the high frequency dynamics of noble gases?. Journal of Physics and Chemistry of Solids, 2000, 61, 477-483.	1.9	5
159	Phonon-like and single-particle dynamics in liquid lithium. Europhysics Letters, 2000, 50, 189-195.	0.7	31
160	Nature of the Short Wavelength Excitations in Vitreous Silica: An X-Ray Brillouin Scattering Study. Physical Review Letters, 2000, 85, 2136-2139.	2.9	68
161	Determination of the Short-Wavelength Propagation Threshold in the Collective Excitations of Liquid Ammonia. Physical Review Letters, 2000, 84, 4136-4139.	2.9	19
162	Experimental Evidence of the Acousticlike Character of the High Frequency Excitations in Glasses. Physical Review Letters, 2000, 85, 1266-1269.	2.9	26

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163	Crystal-like High Frequency Phonons in the Amorphous Phases of Solid Water. Physical Review Letters, 2000, 85, 4100-4103.	2.9	74
164	Experimental Determination of the Structural Relaxation in Liquid Water. Physical Review Letters, 1999, 82, 775-778.	2.9	71
165	Brillouin and Umklapp scattering in polybutadiene: Comparison of neutron and x-ray scattering. Physical Review E, 1999, 60, R2464-R2467.	0.8	23
166	High-frequency dynamics of glass-forming polybutadiene. Physical Review E, 1999, 59, 4470-4475.	0.8	49
167	Fast Relaxational Dynamics in theo-Terphenyl Glass. Physical Review Letters, 1999, 82, 1776-1779.	2.9	43
168	Magnetic and structural phase transition in Fe monitored by x-ray emission spectroscopy. Physical Review B, 1999, 60, 14510-14512.	1.1	79
169	Nondynamic Origin of the High-Frequency Acoustic Attenuation in Glasses. Physical Review Letters, 1999, 83, 5583-5586.	2.9	86
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