

# Fabio Ferri

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71  
papers

2,695  
citations

25  
h-index

51  
g-index

82  
ext. papers

3,003  
ext. citations

3.2  
avg. IF

4.75  
L-index

#	Paper	IF	Citations
71	Size Segregation and Atomic Structural Coherence in Spontaneous Assemblies of Colloidal Cesium Lead Halide Nanocrystals. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 594-608	9.6	3
70	Recipes for diffuse correlation spectroscopy instrument design using commonly utilized hardware based on targets for signal-to-noise ratio and precision. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 3265-3281	3.5	5
69	On the amorphous layer in bone mineral and biomimetic apatite: A combined small- and wide-angle X-ray scattering analysis. <i>Acta Biomaterialia</i> , <b>2021</b> , 120, 167-180	10.8	10
68	Structure, Morphology, and Faceting of TiO Photocatalysts by the Debye Scattering Equation Method. The P25 and P90 Cases of Study. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	10
67	Light extinction and scattering from aggregates composed of submicron particles. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	1
66	Nanoparticle size distribution from inversion of wide angle X-ray total scattering data. <i>Scientific Reports</i> , <b>2020</b> , 10, 12759	4.9	4
65	Report on the To.Sca.Lake 3.0 summer school, total scattering analysis for nanoscience on the Como Lake. <i>Powder Diffraction</i> , <b>2019</b> , 34, 284-288	1.8	1
64	Weakly Constrained LucyRichardson with Applications to Inversion of Light Scattering Data. <i>Journal of Scientific Computing</i> , <b>2018</b> , 74, 786-804	2.3	3
63	Statistical analysis of dynamic light scattering data: revisiting and beyond the Schülzel formulas. <i>Optics Express</i> , <b>2018</b> , 26, 29375-29392	3.3	2
62	Report on the To.Sca.Lake 2.0 Workshop, Total Scattering for Nanotechnology on the Como Lake. <i>Powder Diffraction</i> , <b>2017</b> , 32, 213-216	1.8	3
61	Geena 2, improved automated analysis of MALDI/TOF mass spectra. <i>BMC Bioinformatics</i> , <b>2016</b> , 17 Suppl 4, 61	3.6	14
60	Commercial counterboard for 10 ns software correlator for photon and fluorescence correlation spectroscopy. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 113108	1.7	6
59	Size and Density of Fibers in Fibrin and Other Filamentous Networks from Turbidimetry: Beyond a Revisited CarrErmans Method, Accounting for Fractality and Porosity. <i>Macromolecules</i> , <b>2015</b> , 48, 5423-5432	5.5	20
58	Streak speckle velocimetry. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 011109	3.4	0
57	A comprehensive mechanism of fibrin network formation involving early branching and delayed single- to double-strand transition from coupled time-resolved X-ray/light-scattering detection. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5376-84	16.4	27
56	Hardware simulator for optical correlation spectroscopy with Gaussian statistics and arbitrary correlation functions. <i>Optics Express</i> , <b>2014</b> , 22, 28002-18	3.3	2
55	Optical, luminescence and thermal properties of radiopure ZnMoO4 crystals used in scintillating bolometers for double beta decay search. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 729, 856-863	1.2	42

54	Complement C3f serum levels may predict breast cancer risk in women with gross cystic disease of the breast. <i>Journal of Proteomics</i> , <b>2013</b> , 85, 44-52	3.9	18
53	Response to "a simplified implementation of the bubble analysis of biopolymer networks pores". <i>Biophysical Journal</i> , <b>2013</b> , 104, 2776-7	2.9	9
52	Fast two-dimensional bubble analysis of biopolymer filamentous networks pore size from confocal microscopy thin data stacks. <i>Biophysical Journal</i> , <b>2013</b> , 104, 1160-9	2.9	26
51	Modeling of fibrin gels based on confocal microscopy and light-scattering data. <i>Biophysical Journal</i> , <b>2013</b> , 104, 1151-9	2.9	24
50	Backscattering differential ghost imaging in turbid media. <i>Physical Review Letters</i> , <b>2013</b> , 110, 083901	7.4	103
49	Colors of transparent submicron suspensions on approaching the Rayleigh regime. <i>Applied Optics</i> , <b>2012</b> , 51, 2183-91	1.7	1
48	Geena, a tool for MS spectra filtering, averaging and aligning. <i>EMBnet Journal</i> , <b>2012</b> , 18, 125	2.3	3
47	Kinetics of colloidal fractal aggregation by differential dynamic microscopy. <i>European Physical Journal: Special Topics</i> , <b>2011</b> , 199, 139-148	2.3	22
46	Photon path length distribution in random media from spectral speckle intensity correlations. <i>European Physical Journal: Special Topics</i> , <b>2011</b> , 199, 167-180	2.3	9
45	Differential ghost imaging. <i>Physical Review Letters</i> , <b>2010</b> , 104, 253603	7.4	381
44	Some topics in Quantum Imaging. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 206, 012007	0.3	
43	Three-dimensional coherence of light speckles: Experiment. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	29
42	Three-dimensional coherence of light speckles: Theory. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	45
41	Longitudinal coherence in thermal ghost imaging. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 261109	3.4	61
40	Dynamic heterodyne near field scattering. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 241101	3.4	22
39	Heterodyne speckle velocimetry of Poiseuille flow. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 073113	2.5	6
38	A new particle sizing technique based on near field scattering. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 150, 334-338		3
37	Heterodyne speckle velocimetry. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 191101	3.4	17

36	Coherent imaging with pseudo-thermal incoherent light. <i>Journal of Modern Optics</i> , <b>2006</b> , 53, 739-760	1.1	186
35	Coherent imaging of a pure phase object with classical incoherent light. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	74
34	A new technique for fluid velocimetry based on near field scattering. <i>Optics and Lasers in Engineering</i> , <b>2006</b> , 44, 722-731	4.6	6
33	High-resolution ghost image and ghost diffraction experiments with thermal light. <i>Physical Review Letters</i> , <b>2005</b> , 94, 183602	7.4	517
32	Measurements of droplet vaporisation by means of light scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 261, 153-161	5.1	4
31	Heterodyne near-field scattering: a technique for complex fluids. <i>Physical Review E</i> , <b>2004</b> , 70, 041405	2.4	52
30	Small- and wide-angle elastic light scattering study of fibrin structure. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 636-641	3.8	35
29	Kinetics of fibrinopeptide release by thrombin as a function of CaCl <sub>2</sub> concentration: different susceptibility of FPA and FPB and evidence for a fibrinogen isoform-specific effect at physiological Ca <sup>2+</sup> concentration. <i>Biochemistry</i> , <b>2003</b> , 42, 12335-48	3.2	26
28	25 ns software correlator for photon and fluorescence correlation spectroscopy. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 1135-1144	1.7	46
27	Hardware simulator for photon correlation spectroscopy. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 4273-4279	1.7	47
26	Structure of fibrin gels studied by elastic light scattering techniques: dependence of fractal dimension, gel crossover length, fiber diameter, and fiber density on monomer concentration. <i>Physical Review E</i> , <b>2002</b> , 66, 011913	2.4	51
25	Early events in the polymerization of fibrin. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 936, 167-185	3.4	9
24	Growth kinetics and structure of fibrin gels. <i>Physical Review E</i> , <b>2001</b> , 63, 031401	2.4	50
23	Fast multi-tau real-time software correlator for dynamic light scattering. <i>Applied Optics</i> , <b>2001</b> , 40, 4011-4017	2.1	81
22	Instrument for long-path spectral extinction measurements in air: application to sizing of airborne particles. <i>Applied Optics</i> , <b>2001</b> , 40, 4261-74	1.7	3
21	On the determination of the average molecular weight, radius of gyration, and mass/length ratio of polydisperse solutions of polymerizing rod-like macromolecular monomers by multi-angle static light scattering. <i>Macromolecular Symposia</i> , <b>2000</b> , 162, 23-44	0.8	7
20	On the dynamics of semiflexible fibrin gels. <i>Macromolecular Symposia</i> , <b>2000</b> , 162, 263-274	0.8	3
19	Time-resolved dynamic light scattering as a method to monitor compaction during protein folding. <i>Macromolecular Symposia</i> , <b>2000</b> , 162, 205-220	0.8	2

18	Estimation of distribution functions in light scattering: the regularization method and BayesU Ansatz. <i>Macromolecular Symposia</i> , <b>2000</b> , 162, 149-172	0.8	1
17	Polymerization of rod-like macromolecular monomers studied by stopped-flow, multiangle light scattering: set-up, data processing, and application to fibrin formation. <i>Biophysical Journal</i> , <b>2000</b> , 79, 561-83	2.9	35
16	Self-aligning optical particle sizer for the monitoring of particle growth processes in industrial plants. <i>Review of Scientific Instruments</i> , <b>1998</b> , 69, 2484-2494	1.7	4
15	Use of a charge coupled device camera for low-angle elastic light scattering. <i>Review of Scientific Instruments</i> , <b>1997</b> , 68, 2265-2274	1.7	91
14	Commercial spectrophotometer for particle sizing. <i>Applied Optics</i> , <b>1997</b> , 36, 885-91	1.7	20
13	Inversion of low-angle elastic light-scattering data with a new method devised by modification of the Chahine algorithm. <i>Applied Optics</i> , <b>1997</b> , 36, 7539-50	1.7	11
12	Critical behavior in the presence of a disordered environment. <i>Physical Review E</i> , <b>1995</b> , 51, 5922-5943	2.4	37
11	Modified version of the Chahine algorithm to invert spectral extinction data for particle sizing. <i>Applied Optics</i> , <b>1995</b> , 34, 5829-39	1.7	73
10	Cannell, Ferri, and Frisken reply. <i>Physical Review Letters</i> , <b>1993</b> , 71, 1475	7.4	
9	Optical particle sizer based on the Chahine inversion scheme. <i>Optical Engineering</i> , <b>1992</b> , 31, 1112	1.1	23
8	Consolute Critical Phenomena in Dilute Silica Gel. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 290, 59		
7	Structure of silica gels. <i>Physical Review Letters</i> , <b>1991</b> , 67, 3626-3629	7.4	48
6	Effect of dilute silica gel on phase separation of a binary mixture. <i>Physical Review Letters</i> , <b>1991</b> , 66, 2754-2757	7.4	57
5	Salt-induced fast aggregation of polystyrene latex. <i>Physical Review A</i> , <b>1990</b> , 42, 7347-7354	2.6	157
4	Inversion of light scattering data from fractals by the Chahine iterative algorithm. <i>Applied Optics</i> , <b>1989</b> , 28, 3074-82	1.7	14
3	Low-Angle Elastic Light Scattering Study of Diffusion-Limited Aggregation. <i>Europhysics Letters</i> , <b>1988</b> , 7, 599-604	1.6	14
2	Study Of Fractal Objects By Means Of Low Angle Light Scattering <b>1987</b> , 0808, 165		
1	Resonance raman excitation profile for the 848 cm <sup>-1</sup> totally symmetric mode of the chromate ion. <i>Chemical Physics Letters</i> , <b>1984</b> , 107, 91-95	2.5	9

