Aldo Romani

List of Publications by Year
in descending order

259	9,590	47006 47	45317 90
papers	citations	h-index	g-index

266	266	266	7356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
2	Precision Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>Solar Neutrino Interaction Rate in Borexino. Physical Review Letters, 2011, 107, 141302.	7.8	441
3	Direct Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>Solar Neutrino Flux with 192 Days of Borexino Data. Physical Review Letters, 2008, 101, 091302.	7.8	344
4	The Borexino detector at the Laboratori Nazionali del Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 568-593.	1.6	292
5	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 081307.	7.8	259
6	Neutrinos from the primary protonâ€"proton fusion process in the Sun. Nature, 2014, 512, 383-386.	27.8	250
7	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
8	Measurement of the solar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>neutrino rate with a liquid scintillator target and 3ÂMeV energy threshold in the Borexino detector. Physical Review D, 2010, 82, .	4.7	214
9	First Evidence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>e</mml:mi><mml:mi>p</mml:mi></mml:math>Solar Neutrinos by Direct Detection in Borexino. Physical Review Letters, 2012, 108, 051302.	7.8	213
10	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. Physical Review D, 2014, 89, .	4.7	204
11	Observation of geo-neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 299-304.	4.1	187
12	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 456-466.	4.1	186
13	Constraints on Sub-GeV Dark-Matterâ€"Electron Scattering from the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 111303.	7.8	179
14	Comprehensive measurement of pp-chain solar neutrinos. Nature, 2018, 562, 505-510.	27.8	169
15	The exceptional near-infrared luminescence properties of cuprorivaite (Egyptian blue). Chemical Communications, 2009, , 3392.	4.1	150
16	DarkSide-50 532-day dark matter search with low-radioactivity argon. Physical Review D, 2018, 98, .	4.7	147
17	Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. Nature, 2020, 587, 577-582.	27.8	137
18	A spectrophotometric and fluorimetric study of some anthraquinoid and indigoid colorants used in artistic paintings. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 581-588.	3.9	128

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19	Fluorescence Spectroscopy: A Powerful Technique for the Noninvasive Characterization of Artwork. Accounts of Chemical Research, 2010, 43, 837-846.	15.6	127
20	Vibrational and electronic properties of painting lakes. Applied Physics A: Materials Science and Processing, 2008, 92, 25-33.	2.3	118
21	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
22	Acidichromic effects in 1,2-di- and 1,2,4-tri- hydroxyanthraquinones. A spectrophotometric and fluorimetric study. , 2000, 13, 141-150.		103
23	SOX: Short distance neutrino Oscillations with BoreXino. Journal of High Energy Physics, 2013, 2013, 1.	4.7	98
24	Acidichromism and Ionochromism of Luteolin and Apigenin, the Main Components of the Naturally Occurring Yellow Weld: A Spectrophotometric and Fluorimetric Study. Journal of Fluorescence, 2007, 17, 707-714.	2.5	97
25	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
26	Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.	4.1	92
27	A spectrometric and chromatographic approach to the study of ageing of madder (Rubia tinctorum L.) dyestuff on wool. Analytica Chimica Acta, 2007, 596, 46-54.	5.4	88
28	JUNO physics and detector. Progress in Particle and Nuclear Physics, 2022, 123, 103927.	14.4	86
29	Absence of a dayâ€“night asymmetry in the 7Be solar neutrino rate in Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 22-26.	4.1	83
30	Simultaneous precision spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></m	4.7	80
31	Spectroscopy of geoneutrinos from 2056 days of Borexino data. Physical Review D, 2015, 92, .	4.7	77
32	Thermally reversible photoconversion of spiroindoline-naphtho-oxazines to photomerocyanines: a photochemical and kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 87, 235-241.	3.9	75
33	Application of the Kubelkaâ€"Munk Correction for Self-Absorption of Fluorescence Emission in Carmine Lake Paint Layers. Applied Spectroscopy, 2009, 63, 1323-1330.	2.2	75
34	The liquid handling systems for the Borexino solar neutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 58-78.	1.6	71
35	pH-Induced effects on the photophysics of dipyridyl ketones. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2147.	1.7	68
36	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	1.2	68

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37	UVâ€“Vis-NIR and micro Raman spectroscopies for the non destructive identification of Cd 1âˆ’x Zn x S solid solutions in cadmium yellow pigments. Microchemical Journal, 2016, 124, 856-867.	4.5	68
38	Photochromism and Thermochromism of some Spirooxazines and Naphthopyrans in the Solid State and in Polymeric Film. Journal of Physical Chemistry C, 2010, 114, 6123-6131.	3.1	67
39	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	5.4	63
40	Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 191-196.	4.1	60
41	Borexino calibrations: hardware, methods, and results. Journal of Instrumentation, 2012, 7, P10018-P10018.	1.2	60
42	Photochromic, Thermochromic, and Fluorescent Spirooxazines and Naphthopyrans: A Spectrokinetic and Thermodynamic Study. ChemPhysChem, 2008, 9, 768-775.	2.1	58
43	New experimental limits on the Pauli forbidden transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>nuclei obtained with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>485</mml:mn></mml:mrow></mml:math>days Borexino data. Ph	2.9	56
44	Non-invasive Investigations of Paintings by Portable Instrumentation: The MOLAB Experience. Topics in Current Chemistry, 2016, 374, 10.	5.8	56
45	Search for solar axions produced in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>d</mml:mi><mml:mo>,</mml:mo><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescrip Borexino detector. Physical Review D, 2012, 85, .	4.7	54
46	In situ fluorimetry: A powerful non-invasive diagnostic technique for natural dyes used in artefacts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 906-912.	3.9	53
47	Portable Equipment for Luminescence Lifetime Measurements on Surfaces. Applied Spectroscopy, 2008, 62, 1395-1399.	2.2	50
48	Photophysical properties of alizarin and purpurin Al(III) complexes in solution and in solid state. Photochemical and Photobiological Sciences, 2011, 10, 1249-1254.	2.9	48
49	Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 015-015.	5.4	47
50	DFT/TDDFT investigation on the UV-vis absorption and fluorescence properties of alizarin dye. Physical Chemistry Chemical Physics, 2015, 17, 6374-6382.	2.8	47
51	Experimental Evidence for the Aggregation of [(Phen)2Pd2(Î¼-H)(Î¼-CO)]+ in Solution. Organometallics, 2003, 22, 1526-1533.	2.3	45
52	Photoluminescence Properties of Zinc Oxide in Paints: A Study of the Effect of Self-Absorption and Passivation. Applied Spectroscopy, 2012, 66, 1233-1241.	2.2	45
53	Material analyses of â€˜Christ with singing and music-making Angelsâ€™, a late 15th-C panel painting attributed to Hans Memling and assistants: Part I. non-invasive in situ investigations. Journal of Analytical Atomic Spectrometry, 2011, 26, 2216.	3.0	43
54	Optical Communication among Oscillatory Reactions and Photoâ€Excitable Systems: UV and Visible Radiation Can Synchronize Artificial Neuron Models. Angewandte Chemie - International Edition, 2017, 56, 7535-7540.	13.8	43

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55	Vibronic Quantum Effects in Fluorescence and Photochemistry. Competition between Vibrational Relaxation and Photochemistry and Consequences for Photochemical Control. Journal of the American Chemical Society, 1999, 121, 2104-2109.	13.7	42
56	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	7.8	42
57	Photochemistry of Artistsâ€™ Dyes and Pigments: Towards Better Understanding and Prevention of Colour Change in Works of Art. Angewandte Chemie - International Edition, 2018, 57, 7324-7334.	13.8	42
58	Comprehensive geoneutrino analysis with Borexino. Physical Review D, 2020, 101, .	4.7	42
59	The Ring-Opening Reaction of Chromenes:Â A Photochemical Mode-Dependent Transformation. Journal of Physical Chemistry A, 2005, 109, 8684-8692.	2.5	41
60	Colouring materials of pre-Columbian codices: non-invasive in situ spectroscopic analysis of the Codex Cospi. Journal of Archaeological Science, 2012, 39, 672-679.	2.4	41
61	Probing the chemistry of CdS paints in <i>The Scream</i> by in situ noninvasive spectroscopies and synchrotron radiation x-ray techniques. Science Advances, 2020, 6, eaay3514.	10.3	41
62	Photochromic Behavior of 2,2-Spiro-adamantylidene-2H-naphtho[1,2-b]pyran: A New Thermoreversible and Photoreversible Photochromic SystemÂ¶. Photochemistry and Photobiology, 2000, 72, 632.	2.5	39
63	In-situ fluorimetry: A powerful non-invasive diagnostic technique for natural dyes used in artefacts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 2057-2062.	3.9	39
64	Decay time and pulse shape discrimination of liquid scintillators based on novel solvents. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 701, 133-144.	1.6	39
65	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
66	Complexation of apigenin and luteolin in weld lake: a DFT/TDDFT investigation. Physical Chemistry Chemical Physics, 2010, 12, 6672.	2.8	38
67	Ultravioletâ€"Visible Absorption and Luminescence Properties of Quinacridoneâ€"Barium Sulfate Solid Mixtures. Applied Spectroscopy, 2010, 64, 923-929.	2.2	36
68	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. Astroparticle Physics, 2013, 49, 44-51.	4.3	36
69	DarkSide search for dark matter. Journal of Instrumentation, 2013, 8, C11021-C11021.	1.2	36
70	Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164823.	1.6	34
71	Measurement of CNGS muon neutrino speed with Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 401-405.	4.1	33
72	The Book of Kells: A non-invasive MOLAB investigation by complementary spectroscopic techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 330-336.	3.9	33

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73	The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.	1.2	33
74	Photochromic Behavior of a Spiro-indolino-oxazine in Reverse-Mode Polymer-Dispersed Liquid Crystal Films. Journal of Physical Chemistry B, 2002, 106, 9490-9495.	2.6	32
75	Carthamus tinctorius L.: A photophysical study of the main coloured species for artwork diagnostic purposes. Dyes and Pigments, 2014, 103, 127-137.	3.7	32
76	Disclosing Jackson Pollockâ€™s palette in Alchemy (1947) by non-invasive spectroscopies. Heritage Science, 2016, 4, .	2.3	32
77	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. Journal of Instrumentation, 2017, 12, P10015-P10015.	1.2	31
78	Photophysical Properties of Some Thienyl Ketones: An Experimental and Theoretical Study. The Journal of Physical Chemistry, 1995, 99, 1410-1417.	2.9	30
79	Spectroscopic study of acrylic resins in solid matrices. Surface and Coatings Technology, 2002, 151-152, 276-280.	4.8	30
80	The Monte Carlo simulation of the Borexino detector. Astroparticle Physics, 2018, 97, 136-159.	4.3	30
81	New limits on heavy sterile neutrino mixing in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>decay obtained with the Borexino detector. Physical Review D, 2013, 88, .	4.7	29
82	Non-invasive investigation of a pre-Hispanic Maya screenfold book: the Madrid Codex. Journal of Archaeological Science, 2014, 42, 166-178.	2.4	28
83	Luminescence properties of camphorquinone at room temperature. Journal of Luminescence, 1995, 63, 183-188.	3.1	27
84	Role of the Relative Humidity and the Cd/Zn Stoichiometry in the Photooxidation Process of Cadmium Yellows (CdS/Cd_{1âˆ’<i>x</i>}Zn_{<i>x</i>}S) in Oil Paintings. Chemistry - A European Journal, 2018, 24, 11584-11593.	3.3	27
85	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. Astrophysical Journal, 2017, 850, 21.	4.5	26
86	Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.	4.3	26
87	Feasibility and physics potential of detecting ⁸B solar neutrinos at JUNO *. Chinese Physics C, 2021, 45, 023004.	3.7	26
88	Scientific Investigation of an Important Corpus of Picasso Paintings in Antibes: New Insights into Technique, Condition, and Chronological Sequence. Journal of the American Institute for Conservation, 2013, 52, 184-204.	0.5	25
89	Synchrotron-based X-ray spectromicroscopy and electron paramagnetic resonance spectroscopy to investigate the redox properties of lead chromate pigments under the effect of visible light. Journal of Analytical Atomic Spectrometry, 2015, 30, 1500-1510.	3.0	25
90	In-vitro degradation of PLGA nanoparticles in aqueous medium and in stem cell cultures by monitoring the cargo fluorescence spectrum. Polymer Degradation and Stability, 2016, 134, 296-304.	5.8	25

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91	Shades of blue: non-invasive spectroscopic investigations of Maya blue pigments. From laboratory mock-ups to Mesoamerican codices. Heritage Science, 2020, 8, .	2.3	25
92	MOLAB^{Â®}meets Persia: Non-invasive study of a sixteenth-century illuminated manuscript. Studies in Conservation, 2015, 60, S185-S192.	1.1	24
93	Analysis of chromophores in stained-glass windows using Visible Hyperspectral Imaging in-situ. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117378.	3.9	24
94	Improved measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> solar neutrinos with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1.5</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>kt</	4.7	24
95	UVâ€"Vis-NIR and microRaman spectroscopies for investigating the composition of ternary CdS 1â ̂'x Se x solid solutions employed as artists' pigments. Microchemical Journal, 2016, 125, 279-289.	4.5	23
96	Seasonal modulation of the 7 Be solar neutrino rate in Borexino. Astroparticle Physics, 2017, 92, 21-29.	4.3	22
97	Modulations of the cosmic muon signal in ten years of Borexino data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	5.4	22
98	Damages Induced by Synchrotron Radiation-Based X-ray Microanalysis in Chrome Yellow Paints and Related Cr-Compounds: Assessment, Quantification, and Mitigation Strategies. Analytical Chemistry, 2020, 92, 14164-14173.	6.5	22
99	Study of Raman scattering and luminescence properties of orchil dye for its nondestructive identification on artworks. Journal of Raman Spectroscopy, 2013, 44, 1451-1456.	2.5	21
100	The DarkSide Multiton Detector for the Direct Dark Matter Search. Advances in High Energy Physics, 2015, 2015, 1-8.	1.1	21
101	Embedded readout electronics R&D for the large PMTs in the JUNO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164600.	1.6	21
102	Competition Between Vibrational Relaxation and Photochemistry: Relevance of Vibronic Quantum Effectsâ€Â¶. Photochemistry and Photobiology, 2001, 74, 378.	2.5	21
103	Light-Induced Hydrogen Abstraction from Isobutanol by Thienyl Phenyl, Dithienyl, and Thienyl Pyridyl Ketones. Journal of Physical Chemistry A, 1999, 103, 1335-1341.	2.5	19
104	Photochemical and thermal degradation of a naturally occurring dye used in artistic painting. A chromatographic, spectrophotometric and fluorimetric study on saffron. International Journal of Photoenergy, 2004, 6, 175-183.	2.5	19
105	Sensitivity to neutrinos from the solar CNO cycle in Borexino. European Physical Journal C, 2020, 80, 1.	3.9	19
106	Facile preparation of organic-inorganic hydrogels containing silver or essential oil with antimicrobial effects. Applied Clay Science, 2020, 190, 105567.	5.2	19
107	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
108	The photoinduced ring opening reaction of benzo(2H)chromenes: a kinetic and thermodynamic approach. Chemical Physics, 2005, 309, 167-175.	1.9	18

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109	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	3.9	18
110	Surface morphology and composition of some â€œlustroâ€•decorated fragments of ancient ceramics from Deruta (Central Italy). Applied Surface Science, 2000, 157, 112-122.	6.1	17
111	Chromatic and dynamic characteristics of some photochromes in the components of bifunctional photochromic and electro-optical devices. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 140, 229-236.	3.9	17
112	Lifetime measurements of 214Po and 212Po with the CTF liquid scintillator detector at LNGS. European Physical Journal A, 2013, 49, 1.	2.5	17
113	An uncovered XIII century icon: Particular use of organic pigments and gilding techniques highlighted by analytical methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 398-404.	3.9	17
114	Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 925, 6-17.	1.6	17
115	Disclosing the Binding Medium Effects and the Pigment Solubility in the (Photo)reduction Process of Chrome Yellows (PbCrO₄/PbCr_{1â€“<i>x</i>}S_{<i>x</i>}O₄). ACS Omega, 2019, 4, 6607-6619.	3.5	17
116	The â€œHistorical Materials BAGâ€ A New Facilitated Access to Synchrotron X-ray Diffraction Analyses for Cultural Heritage Materials at the European Synchrotron Radiation Facility. Molecules, 2022, 27, 1997.	3.8	17
117	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. Physical Review Letters, 2022, 128, 091803.	7.8	17
118	An NMR and UVâ€“visible spectroscopic study of the principal colored component of Stil de grain lake. Dyes and Pigments, 2006, 71, 218-223.	3.7	16
119	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	1.2	16
120	GIGJ: A Crustal Gravity Model of the Guangdong Province for Predicting the Geoneutrino Signal at the JUNO Experiment. Journal of Geophysical Research: Solid Earth, 2019, 124, 4231-4249.	3.4	16
121	Effects of the environment on the photochromic behaviour of a novel indeno-fused naphthopyran. Photochemical and Photobiological Sciences, 2002, 1, 803-808.	2.9	15
122	Photochromic behaviour of Berry Red studied in solution and polymer films. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 196, 190-196.	3.9	15
123	Nanoseconds Timing System Based on IEEE 1588 FPGA Implementation. IEEE Transactions on Nuclear Science, 2019, 66, 1151-1158.	2.0	15
124	The design and sensitivity of JUNOâ€™s scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1.	3.9	15
125	A laser flash photolysis study of di-pyridyl ketones. Chemical Physics, 1990, 144, 107-115.	1.9	14
126	Effect of the nitrogen position on the excited state properties of the six isomeric di-pyridyl-ketones. Journal of Photochemistry and Photobiology A: Chemistry, 1990, 53, 41-49.	3.9	14

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127	A steady-state and time-resolved absorption and emission study of 3-thienyl-phenyl ketone, 3,3â€²-di-thienyl ketone and 2,3â€²-di-thienyl ketone. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 127-134.	3.9	14
128	New insights into the fading mechanism of Geranium lake in painting matrixâ€. Dyes and Pigments, 2020, 181, 108600.	3.7	14
129	Molecular Fluorescence Imaging Spectroscopy for Mapping Low Concentrations of Red Lake Pigments: Vanâ€...Gogh's Painting The Olive Orchard. Angewandte Chemie - International Edition, 2020, 59, 6046-6053.	13.8	14
130	Hydrogels: A â€˜stepping stoneâ€™ towards new cleaning strategies for biodeteriorated surfaces. Journal of Cultural Heritage, 2021, 47, 1-11.	3.3	14
131	Vibronic effects in pathways of photochemistry and vibrational relaxation. Chemical Physics, 2005, 316, 108-116.	1.9	13
132	Effects of Proximity on the Relaxation Dynamics of Flindersine and 6(5H)-Phenanthridinone. Journal of Physical Chemistry A, 2007, 111, 193-200.	2.5	13
133	Bleaching of red lake paints in encaustic mummy portraits. Applied Physics A: Materials Science and Processing, 2010, 100, 703-711.	2.3	13
134	Visible-induced luminescence imaging: A user-friendly method based on a system of interchangeable and tunable LED light sources. Microchemical Journal, 2016, 125, 130-141.	4.5	13
135	Borexinoâ€™s search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.	4.3	13
136	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.	1.6	13
137	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
138	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
139	The complex photochromic behaviour of 5,6-benzo(2H)dimethylchromene in 3-methylpentane solutionThis paper is dedicated to Professor Jean Kossanyi on the occasion of his 70th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 1032.	2.9	12
140	Effect of pH on the absorption and emission characteristics of di(3-pyridyl)ketone. Spectrochimica Acta Part A: Molecular Spectroscopy, 1989, 45, 339-346.	0.1	11
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