Stefano Covino

List of Publications by Year in descending order

77 papers	2,886 citations	218677 26 h-index	175258 52 g-index
80 all docs	80 docs citations	80 times ranked	4130 citing authors

#	Article	IF	Citations
1	A possible macronova in the late afterglow of the longâ€“short burst GRB 060614. Nature Communications, 2015, 6, 7323.	12.8	224
2	The Metamorphosis of Supernova SN 2008D/XRF 080109: A Link Between Supernovae and GRBs/Hypernovae. Science, 2008, 321, 1185-1188.	12.6	191
3	The Macronova in GRB 050709 and the GRB-macronova connection. Nature Communications, 2016, 7, 12898.	12.8	157
4	THE LIGHT CURVE OF THE MACRONOVA ASSOCIATED WITH THE LONGâ€“SHORT BURST GRB 060614. Astrophysical Journal Letters, 2015, 811, L22.	8.3	156
5	Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. Astrophysical Journal, 2006, 645, 1323-1330.	4.5	120
6	Bioremediation of long-term PCB-contaminated soil by white-rot fungi. Journal of Hazardous Materials, 2017, 324, 701-710.	12.4	118
7	Ecotoxicity and biodegradability of new brominated flame retardants: A review. Ecotoxicology and Environmental Safety, 2014, 110, 153-167.	6.0	112
8	Biodegradation of PCBs by ligninolytic fungi and characterization of the degradation products. Chemosphere, 2012, 88, 1317-1323.	8.2	108
9	THE HIGHLY ENERGETIC EXPANSION OF SN 2010bh ASSOCIATED WITH GRB 100316D. Astrophysical Journal, 2012, 753, 67.	4.5	103
10	XIPE: the X-ray imaging polarimetry explorer. Experimental Astronomy, 2013, 36, 523-567.	3.7	103
11	Comparative assessment of bioremediation approaches to highly recalcitrant PAH degradation in a real industrial polluted soil. Journal of Hazardous Materials, 2013, 248-249, 407-414.	12.4	97
12	On the role of extinction in failed gamma-ray burst optical/infrared afterglows. Monthly Notices of the Royal Astronomical Society, 2002, 330, 583-590.	4.4	86
13	Nonthermal Hard Xâ€Ray Emission and Iron KÎ± Emission from a Superflare on II Pegasi. Astrophysical Journal, 2007, 654, 1052-1067.	4.5	80
14	Polycyclic aromatic hydrocarbons degradation and microbial community shifts during co-composting of creosote-treated wood. Journal of Hazardous Materials, 2016, 301, 17-26.	12.4	76
15	Multiple pharmacognostic characterization on hemp commercial cultivars: Focus on inflorescence water extract activity. Food and Chemical Toxicology, 2019, 125, 452-461.	3.6	76
16	Chemical and microbiological characterization of an aged PCB-contaminated soil. Science of the Total Environment, 2015, 533, 177-186.	8.0	67
17	Pyrosequencing reveals the effect of mobilizing agents and lignocellulosic substrate amendment on microbial community composition in a real industrial PAH-polluted soil. Journal of Hazardous Materials, 2015, 283, 35-43.	12.4	62
18	Indirect Evidence of an Active Radio Pulsar in the Quiescent State of the Transient Millisecond Pulsar SAX J1808.4-3658. Astrophysical Journal, 2004, 614, L49-L52.	4.5	59

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19	In vivo and in vitro polycyclic aromatic hydrocarbons degradation by Lentinus (Panus) tigrinus CBS 577.79. Bioresource Technology, 2010, 101, 3004-3012.	9.6	56
20	Limits on radioactive powered emission associated with a short-hard GRB 070724A in a star-forming galaxy. Monthly Notices of the Royal Astronomical Society, 0, 404, 963-974.	4.4	51
21	Evidence of a Cyclotron Feature in the Spectrum of the Anomalous X-Ray Pulsar 1RXS J170849â^'400910. Astrophysical Journal, 2003, 586, L65-L69.	4.5	49
22	An efficient PAH-degrading Lentinus (Panus) tigrinus strain: Effect of inoculum formulation and pollutant bioavailability in solid matrices. Journal of Hazardous Materials, 2010, 183, 669-676.	12.4	47
23	Assessment of degradation potential of aliphatic hydrocarbons by autochthonous filamentous fungi from a historically polluted clay soil. Science of the Total Environment, 2015, 505, 545-554.	8.0	44
24	GRB 081007 AND GRB 090424: THE SURROUNDING MEDIUM, OUTFLOWS, AND SUPERNOVAE. Astrophysical Journal, 2013, 774, 114.	4.5	43
25	Inoculum carrier and contaminant bioavailability affect fungal degradation performances of PAH-contaminated solid matrices from a wood preservation plant. Chemosphere, 2010, 79, 855-864.	8.2	36
26	REM: a fully robotic telescope for GRB observations. , 2004, , .		35
27	A comparative study of the antimicrobial and antioxidant activities of Inonotus hispidus fruit and their mycelia extracts. International Journal of Food Properties, 2019, 22, 768-783.	3.0	34
28	Pulsar timing constraints on the Fermi massive black hole binary blazar population. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 481, L74-L78.	3.3	31
29	Comprehensive approaches on the chemical constituents and pharmacological properties of flowers and leaves of American basil (Ocimum americanum L). Food Research International, 2019, 125, 108610.	6.2	28
30	Water Extract from Inflorescences of Industrial Hemp Futura 75 Variety as a Source of Anti-Inflammatory, Anti-Proliferative and Antimycotic Agents: Results from In Silico, In Vitro and Ex Vivo Studies. Antioxidants, 2020, 9, 437.	5.1	27
31	Redshift Determination in the Xâ€Ray Band of Gammaâ€Ray Bursts. Astrophysical Journal, 1999, 517, 168-173.	4.5	25
32	Addition of maize stalks and soybean oil to a historically PCB-contaminated soil: effect on degradation performance and indigenous microbiota. New Biotechnology, 2012, 30, 69-79.	4.4	24
33	Comparative assessment of fungal augmentation treatments of a fine-textured and historically oil-contaminated soil. Science of the Total Environment, 2016, 566-567, 250-259.	8.0	24
34	Protective effects induced by alcoholic Phlomis fruticosa and Phlomis herbaâ€venti extracts in isolated rat colon: Focus on antioxidant, antiâ€inflammatory, and antimicrobial activities in vitro. Phytotherapy Research, 2019, 33, 2387-2400.	5.8	23
35	Kinetic and redox properties of MnP II, a major manganese peroxidase isoenzyme from Panus tigrinus CBS 577.79. Journal of Biological Inorganic Chemistry, 2009, 14, 1153-1163.	2.6	21
36	Looking at Blazar Light-curve Periodicities with Gaussian Processes. Astrophysical Journal, 2020, 895, 122.	4.5	21

#	Article	IF	Citations
37	Chemical profiling and pharmacoâ€toxicological activity ofOriganum sipyleumextracts: Exploring for novel sources for potential therapeutic agents. Journal of Food Biochemistry, 2019, 43, e13003.	2.9	19
38	The commissioning of the REM-IR camera at La Silla. , 2004, , .		17
39	GRB 081029: A GAMMA-RAY BURST WITH A MULTI-COMPONENT AFTERGLOW. Astrophysical Journal, 2012, 745, 41.	4.5	16
40	The REM-IR camera: High quality near infrared imaging with a small robotic telescope. , 2003, 4841, 627.		15
41	The REM telescope: a robotic multiwavelength facility. , 2004, 5492, 1590.		15
42	Multidirectional Pharma-Toxicological Study on Harpagophytum procumbens DC. ex Meisn.: An IBD-Focused Investigation. Antioxidants, 2020, 9, 168.	5.1	15
43	The Active Corona of HD 35850 (F8 V). Astrophysical Journal, 1999, 515, 423-434.	4.5	15
44	Chlorobenzoic acid degradation by Lentinus (Panus) tigrinus: In vivo and in vitro mechanistic study-evidence for P-450 involvement in the transformation. Journal of Hazardous Materials, 2013, 260, 975-983.	12.4	14
45	Mycoremediation of Organic Pollutants: Principles, Opportunities, and Pitfalls. Fungal Biology, 2016, , 185-231.	0.6	14
46	The REM optical slitless spectrograph (ROSS). , 2004, 5492, 689.		13
47	Effect of mobilizing agents on mycoremediation and impact on the indigenous microbiota. Journal of Chemical Technology and Biotechnology, 2009, 84, 836-844.	3.2	11
48	SwiftX-ray and ultraviolet observations of the shortest orbital period double-degenerate system RXâ€‰J0806.3+1527 (HMâ€‰Cnc). Astronomy and Astrophysics, 2014, 561, A117.	5.1	11
49	Characterization of Biological Activities of Methanol Extract of Fuscoporia torulosa (Basidiomycetes) from Italy. International Journal of Medicinal Mushrooms, 2019, 21, 1051-1063.	1.5	11
50	Focus on the Use of Resveratrol as an Adjuvant in Glioblastoma Therapy. Current Pharmaceutical Design, 2020, 26, 2102-2108.	1.9	11
51	The REM Observing Software. Advances in Astronomy, 2010, 2010, 1-9.	1.1	10
52	Misaligned Spinning Binary Black Hole Mergers in Hot Magnetized Plasma. Astrophysical Journal Letters, 2022, 930, L1.	8.3	10
53	Synchrotron Polarization Radiative Transfer: Relativistic Thermal Electron Contribution. Astrophysical Journal, 2018, 860, 153.	4.5	7
54	Bridelia speciosa MÃ¼ll.Arg. Stem bark Extracts as a Potential Biomedicine: From Tropical Western Africa to the Pharmacy Shelf. Antioxidants, 2020, 9, 128.	5.1	6

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55	AQuA: an automatic pipeline for fast transients detection. , 2004, 5496, 729.		4
56	REM: Automatic for the People. Advances in Astronomy, 2010, 2010, 1-7.	1.1	4
57	ROS2: a multichannel vision for the robotic REM telescope. Proceedings of SPIE, 2014, , .	0.8	4
58	Screening of the antifungal activity of essential oils against human and plant pathogenic filamentous fungi. Flora Mediterranea, 2019, 29, .	0.1	4
59	Composting Practices for the Remediation of Matrices Contaminated by Recalcitrant Organic Pollutants. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 467-494.	0.5	4
60	ASTRONOMY: A Closer Look at a Gamma-Ray Burst. Science, 2007, 315, 1798-1799.	12.6	3
61	Analytical Afterglow Light Curves of Gamma-ray Bursts: the Case of a Flat Electron Spectrum. Chinese Astronomy and Astrophysics, 2012, 36, 148-154.	0.3	3
62	Detecting the periodicity of highly irregularly sampled light curves with Gaussian processes: the case of SDSSâ€‰J025214.67â˜002813.7. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2841-2849.	4.4	3
63	REM telescope, a robotic facility to monitor the prompt afterglow of Gamma Ray Bursts. , 2003, , .		2
64	Gamma ray bursts flares detected and observed by the Swift satellite. Advances in Space Research, 2007, 40, 1199-1207.	2.6	2
65	Path to the stars: the evolution of the species in the hunting to the GRBs. , 2010, , .		2
66	Monitoring with high temporal resolution to search for optical transients in the wide field. AIP Conference Proceedings, 2008, , .	0.4	1
67	Flares in gamma ray bursts. Advances in Space Research, 2009, 43, 1457-1463.	2.6	1
68	A Path to the Stars: The Evolution of the Species. Advances in Astronomy, 2010, 2010, 1-14.	1.1	1
69	GRB 041219A: its host galaxy and its broad-band prompt optical-to-gamma-ray emission. , 2011, , .		1
70	A complete sample of long bright Swift gamma ray bursts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120235.	3.4	1
71	Quasi-Periodicities at Year Time Scales in Blazars. Proceedings of the International Astronomical Union, 2016, 12, 180-183.	0.0	1
72	REM - Rapid Eye Mount. A Fast Slewing Robotized Telescope to Monitor the Prompt Infra-Red Afterglow of GRBs. , 0, , 42-47.		0

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73	The X-shooter Spectrograph: A Second Generation Instrument for the VLT. Research in Astronomy and Astrophysics, 2006, 6, 361-364.	1.1	0
74	GRB 080319B: the prompt emission of the â€œNaked Eye Burstâ€• AIP Conference Proceedings, 2008, , .	0.4	0
75	Metagenomics unveils bacterial and fungal communities response to mycoremediation of polychlorinated biphenyl-contaminated soil. New Biotechnology, 2014, 31, S69.	4.4	0
76	Gamma-Ray Bursts Polarization. Proceedings of the International Astronomical Union, 2016, 12, 54-61.	0.0	0
77	GRB early afterglow observations with the REM robotic telescope. Journal of the Korean Physical Society, 2010, 56, 1598-1602.	0.7	0