

Salvatore Gambino

List of Publications by Year in descending order

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102
papers

2,703
citations

159585

30
h-index

214800

47
g-index

107
all docs

107
docs citations

107
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	Mount Etna 1993â€“2005: Anatomy of an evolving eruptive cycle. <i>Earth-Science Reviews</i> , 2006, 78, 85-114.	9.1	235
2	Exploring Lightâ€“Matter Interaction Phenomena under Ultrastrong Coupling Regime. <i>ACS Photonics</i> , 2014, 1, 1042-1048.	6.6	153
3	Insights into magma and fluid transfer at Mount Etna by a multiparametric approach: A model of the events leading to the 2011 eruptive cycle. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3519-3539.	3.4	108
4	High-speed flow of interacting organic polaritons. <i>Light: Science and Applications</i> , 2017, 6, e16212-e16212.	16.6	101
5	Ultrastrong light-matter coupling in electrically doped microcavity organic light emitting diodes. <i>Applied Physics Letters</i> , 2014, 104, 233303.	3.3	67
6	A new dyke intrusion style for the Mount Etna May 2008 eruption modelled through continuous tilt and GPS data. <i>Terra Nova</i> , 2009, 21, 316-321.	2.1	65
7	Control of Charge Transport in Iridium(III) Complexâ€“Cored Carbazole Dendrimers by Generation and Structural Modification. <i>Advanced Functional Materials</i> , 2009, 19, 317-323.	14.9	63
8	A rapid route to carbazole containing dendrons and phosphorescent dendrimers. <i>Journal of Materials Chemistry</i> , 2008, 18, 2121.	6.7	58
9	Etna 2002 eruption imaged from continuous tilt and GPS data. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	57
10	Intrusion of eccentric dikes: The case of the 2001 eruption and its role in the dynamics of Mt. Etna volcano. <i>Tectonophysics</i> , 2009, 471, 78-86.	2.2	57
11	Time-space variation of volcano-seismic events at La Fossa (Vulcano, Aeolian Islands, Italy): new insights into seismic sources in a hydrothermal system. <i>Bulletin of Volcanology</i> , 2010, 72, 803-816.	3.0	56
12	Imaging composite dike propagation (Etna, 2002 case). <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	54
13	BODIPY-based conjugated polymers for broadband light sensing and harvesting applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 14119.	6.7	54
14	Dynamics of a lava fountain revealed by geophysical, geochemical and thermal satellite measurements: The case of the 10 April 2011 Mt Etna eruption. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	51
15	High-precision locations of the microseismicity preceding the 2002â€“2003 Mt. Etna eruption. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	50
16	Polaritonâ€“Induced Enhanced Emission from an Organic Dye under the Strong Coupling Regime. <i>Advanced Optical Materials</i> , 2014, 2, 1076-1081.	7.3	46
17	Multiparametric Approach in Investigating Volcano-Hydrothermal Systems: the Case Study of Vulcano (Aeolian Islands, Italy). <i>Pure and Applied Geophysics</i> , 2012, 169, 167-182.	1.9	45
18	Multidisciplinary investigation on a lava fountain preceding a flank eruption: The 10 May 2008 Etna case. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	44

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19	Stromboli 2007 eruption: Deflation modeling to infer shallowâ€”intermediate plumbing system. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	43
20	Synthesis and Electropolymerization of Hexadecyl Functionalized Bithiophene and Thieno[3,2-b]thiophene End-Capped with EDOT and EDTT Units. <i>Chemistry of Materials</i> , 2010, 22, 3000-3008.	6.7	41
21	Ground deformation modeling of flank dynamics prior to the 2002 eruption of Mt. Etna. <i>Bulletin of Volcanology</i> , 2007, 69, 757-768.	3.0	40
22	Ground deformation induced by geothermal processes: A model for La Fossa Crater (Vulcano Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	38
23	Vent temperature trends at the Vulcano Fossa fumarole field: the role of permeability. <i>Bulletin of Volcanology</i> , 2012, 74, 1293-1311.	3.0	36
24	Pressurization and depressurization phases inside the plumbing system of Mount Etna volcano: Evidence from a multiparametric approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5965-5982.	3.4	36
25	Multiple hazards and paths to eruptions: A review of the volcanic system of Vulcano (Aeolian Islands,) Tj ETQq1 1 0,784314 rgBT /Overlock	9.1	36
26	Fully Vaporâ€”Deposited Heterostructured Lightâ€”Emitting Diode Based on Organoâ€”Metal Halide Perovskite. <i>Advanced Electronic Materials</i> , 2016, 2, 1500325.	5.1	35
27	Room temperature processing for solid-state electrochromic devices on single substrate: From glass to flexible plastic. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 411-420.	6.2	33
28	The unusual 28 December 2014 dikeâ€”fed paroxysm at Mount Etna: Timing and mechanism from a multidisciplinary perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2037-2053.	3.4	33
29	Tornillos at Vulcano: Clues to the dynamics of the hydrothermal system. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 377-393.	2.1	32
30	High quality factor microcavity OLED employing metal-free electrically active Bragg mirrors. <i>Organic Electronics</i> , 2018, 62, 174-180.	2.6	31
31	An investigation into shallow borehole tiltmeters. <i>Geophysical Research Letters</i> , 1999, 26, 1637-1640.	4.0	30
32	Insight on recent Stromboli eruption inferred from terrestrial and satellite ground deformation measurements. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 182, 172-181.	2.1	30
33	Seismological features of the Pernicanaâ€”Provenzana Fault System (Mt. Etna, Italy) and implications for the dynamics of northeastern flank of the volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 251, 16-26.	2.1	30
34	Oligothiophene Cruciform with a Germanium Spiro Center: A Promising Material for Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4562-4567.	13.8	29
35	Volcanic processes detected by tiltmeters: A review of experience on Sicilian volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 271, 43-54.	2.1	28
36	Fully integrated electrochromic-OLED devices for highly transparent smart glasses. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7274-7284.	5.5	28

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37	High precision tilt observation at Mt. Etna Volcano, Italy. <i>Acta Geophysica</i> , 2011, 59, 618-632.	2.0	26
38	The 24 December 2018 Eruptive Intrusion at Etna Volcano as Revealed by Multidisciplinary Continuous Deformation Networks (CGPS, Borehole Strainmeters and Tiltmeters). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019117.	3.4	26
39	Photophysical and charge-transporting properties of the copolymer SuperYellow. <i>Organic Electronics</i> , 2013, 14, 1980-1987.	2.6	25
40	Integration of Ground-Based Remote-Sensing and In Situ Multidisciplinary Monitoring Data to Analyze the Eruptive Activity of Stromboli Volcano in 2017â€“2018. <i>Remote Sensing</i> , 2019, 11, 1813.	4.0	25
41	Impulsive tilt variations on Mount Etna Volcano (1990â€“1993). <i>Tectonophysics</i> , 1997, 270, 115-125.	2.2	24
42	A multivariate probabilistic graphical model for real-time volcano monitoring on Mount Etna. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3480-3496.	3.4	24
43	High precision locations of multiplets on south-eastern flank of Mt. Etna (Italy): reconstruction of fault plane geometry. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 135, 281-289.	1.9	23
44	Space Charge and Carrier Trapping Effects on the Transient Photocurrents of Organic Materials Using the Time-of-Flight Technique. <i>Journal of Electronic Materials</i> , 2008, 37, 231-239.	2.2	23
45	Thermal expansion-contraction and slope instability of a fumarole field inferred from geodetic measurements at Vulcano. <i>Bulletin of Volcanology</i> , 2010, 72, 791-801.	3.0	23
46	Electric field and temperature dependence of the hole mobility in a bis-fluorene cored dendrimer. <i>Organic Electronics</i> , 2008, 9, 220-226.	2.6	22
47	Mid-Infrared Plasmonic Excitation in Indium Tin Oxide Microhole Arrays. <i>ACS Photonics</i> , 2018, 5, 2431-2436.	6.6	22
48	Electronic, redox and charge transport properties of an unusual hybrid structure: a bis(septithiophene) bridged by a fused tetrathiafulvalene (TTF). <i>Journal of Materials Chemistry</i> , 2011, 21, 1462-1469.	6.7	21
49	Comparison of hole mobility in thick and thin films of a conjugated polymer. <i>Organic Electronics</i> , 2010, 11, 467-471.	2.6	20
50	Relocation and focal mechanisms of earthquakes in the south-central sector of the Aeolian Archipelago: New structural and volcanological insights. <i>Tectonophysics</i> , 2012, 524-525, 108-115.	2.2	20
51	Towards an electronic grade nanoparticle-assembled silicon thin film by ballistic deposition at room temperature: the deposition method, and structural and electronic properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3725-3735.	5.5	19
52	Charge Transport in a Highly Phosphorescent Iridium(III) Complexâ€“Cored Dendrimer with Double Dendrons. <i>Advanced Functional Materials</i> , 2012, 22, 157-165.	14.9	18
53	Hydrothermal fluid flow disruptions evidenced by subsurface changes in heat transfer modality: The La Fossa cone of Vulcano (Italy) case study. <i>Geology</i> , 2015, 43, 959-962.	4.4	17
54	In-plane Aligned Colloidal 2D WS ₂ Nanoflakes for Solution-Processable Thin Films with High Planar Conductivity. <i>Scientific Reports</i> , 2019, 9, 9002.	3.3	16

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55	Geophysical investigations of the plumbing system of Stromboli volcano (Aeolian Islands, Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 529-540.	2.1	15
56	Light-emitting dendrimer film morphology: A neutron reflectivity study. <i>Applied Physics Letters</i> , 2010, 96, 263302.	3.3	15
57	A multidisciplinary study of an active fault crossing urban areas: The Trecastagni Fault at Mt. Etna (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 251, 41-49.	2.1	15
58	Charge transport in a two-dimensional molecular organic semiconductor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 34-39.	5.5	15
59	Ultrastrong light-matter coupling in electroluminescent organic microcavities. <i>Applied Materials Today</i> , 2015, 1, 33-36.	4.3	15
60	Continuous tilt monitoring: Lesson learned from 20 years experience at Mt. Etna. <i>Geophysical Monograph Series</i> , 2004, , 307-320.	0.1	14
61	Continuous dynamic response along a pre-existing structural discontinuity induced by the 2001 eruption at Mt. Etna. <i>Earth, Planets and Space</i> , 2004, 56, 447-456.	2.5	14
62	Twenty-five years of continuous borehole tilt and vertical displacement data at Mount Etna: Insights on long-term volcanic dynamics. <i>Geophysical Research Letters</i> , 2015, 42, 10,222.	4.0	14
63	Dynamics of Vulcano Island (Tyrrhenian Sea, Italy) investigated by long-term (40 years) geophysical data. <i>Earth-Science Reviews</i> , 2019, 190, 521-535.	9.1	14
64	Subgap time of flight: A spectroscopic study of deep levels in semi-insulating CdTe:Cl. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	13
65	Morphological, electrical and optical properties of organic light-emitting diodes with a LiF/Al cathode and an Al-hydroxyquinoline/diamine junction. <i>Synthetic Metals</i> , 2004, 143, 171-174.	3.9	12
66	Room-temperature processed films of colloidal carved rod-shaped nanocrystals of reduced tungsten oxide as interlayers for perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11396-11404.	2.8	12
67	Chapter 7.3 of Mount Melbourne and Mount Rittmann. <i>Geological Society Memoir</i> , 2021, 55, 741-758.	1.7	12
68	Pure optical nano-writing on light- switchable spiropyrans/merocyanine thin film. <i>Optics Express</i> , 2014, 22, 283.	3.4	11
69	The Most Intense Deflation of the Last Two Decades at Mt. Etna: The 2019-2021 Evolution of Ground Deformation and Modeled Pressure Sources. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
70	Coseismic and Aseismic Tilt Variations on Mount Etna. <i>Pure and Applied Geophysics</i> , 2002, 159, 2751-2762.	1.9	8
71	Heat flux-based strategies for the thermal monitoring of sub-fumarolic areas: Examples from Vulcano and La Soufrière de Guadeloupe. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 343, 122-134.	2.1	8
72	Tilt measurements on volcanoes: more than a hundred years of recordings. <i>Italian Journal of Geosciences</i> , 2017, 136, 275-295.	0.8	8

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73	Control of Electron Transfer Processes in Multidimensional Arylamine-Based Mixed-Valence Compounds by Molecular Backbone Design. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7840-7851.	2.5	7
74	The 2019 Eruptive Activity at Stromboli Volcano: A Multidisciplinary Approach to Reveal Hidden Features of the "Unexpected" 3 July Paroxysm. <i>Remote Sensing</i> , 2021, 13, 4064.	4.0	7
75	Mt. Melbourne volcano, antarctica: Evidence of seismicity related to volcanic activity. <i>Pure and Applied Geophysics</i> , 1996, 146, 305-318.	1.9	6
76	Electronic transport, ionic activation energy and trapping phenomena in a polymer-hybrid halide perovskite composite. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 543-550.	3.1	6
77	Tilt offset associated with local seismicity: the Mt. Etna January 9, 2001 seismic swarm.. <i>Open Geosciences</i> , 2016, 8, 514-522.	1.7	5
78	Volcanic-tectonic seismicity at Stromboli (2005-2016). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 350, 1-6.	2.1	5
79	Combining High- and Low-Rate Geodetic Data Analysis for Unveiling Rapid Magma Transfer Feeding a Sequence of Violent Summit Paroxysms at Etna in Late 2015. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4630.	2.5	5
80	Tilt measurements at Vulcano Island. <i>Annals of Geophysics</i> , 2009, 50, .	1.0	5
81	Buried active faults in the Zafferana Etnea territory (south-eastern flank of Mt. Etna): geometry and kinematics by earthquake relocation and focal mechanisms. <i>Annals of Geophysics</i> , 2013, 56, .	1.0	5
82	Air and permafrost temperatures at Mount Melbourne (1989-98). <i>Antarctic Science</i> , 2005, 17, 151-152.	0.9	4
83	Shallow bore-hole three-axial fiber Bragg grating strain sensor for Etna volcano monitoring. <i>Review of Scientific Instruments</i> , 2019, 90, 094501.	1.3	4
84	Ground Deformation Detected by Permanent Tiltmeters on Mt. Etna Summit: The August 23-26, 2018, Strombolian and Effusive Activity Case. <i>International Journal of Geophysics</i> , 2019, 2019, 1-10.	1.1	4
85	Tilt signals at Mount Melbourne, Antarctica: evidence of a shallow volcanic source. <i>Polar Research</i> , 2016, 35, 28269.	1.6	4
86	Modeling ground deformation associated with the destructive earthquakes occurring on Mt. Etna's southeastern flank in 1984. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 2443-2453.	3.6	4
87	Correlating the chemical structure and charge transport ability of dibenzofulvene-based hole transporting materials for stable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5981-5993.	5.5	4
88	High precision locations of LP events on Mt. Etna: Reconstruction of the fluid-filled volume. <i>Studia Geophysica Et Geodaetica</i> , 2006, 50, 663-674.	0.5	3
89	Seismicity Pattern Changes before the M= 4.8 Aeolian Archipelago (Italy) Earthquake of August 16, 2010. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	3
90	A colour tunable microcavity by weak-to-strong coupling regime transition through a light-switchable material. <i>Chemical Communications</i> , 2014, 50, 1122-1124.	4.1	3

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91	Seismological and structural constraints on the 2011–2013, Mmax 4.6 seismic sequence at the south-eastern edge of the Calabrian arc (North-eastern Sicily, Italy). <i>Tectonophysics</i> , 2018, 723, 56-67.	2.2	3
92	Application of BET_EF at Mount Etna: a retrospective analysis (years 2001-2005). <i>Annals of Geophysics</i> , 2011, 54, .	1.0	3
93	Characterization of seismic signals recorded in Tethys Bay, Victoria Land (Antarctica): data from atmosphere-cryosphere-hydrosphere interaction. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	3
94	Synthesis and Investigation of Electro-Optical Properties of H-Shape Dibenzofulvene Derivatives. <i>Molecules</i> , 2022, 27, 1091.	3.8	3
95	The impact of charge carrier relaxation, electron trapping and oxygen p-doping on the photocurrent transients of a conjugated polymer probed by the Time of Flight method. <i>Thin Solid Films</i> , 2021, 718, 138485.	1.8	2
96	Strain sensors based on fiber Bragg gratings for volcano monitoring. , 2015, , .		2
97	Intrusive Seismic Swarms as Possible Precursors of Destructive Earthquakes on Mt. Etna's Eastern Flank. <i>International Journal of Geophysics</i> , 2022, 2022, 1-10.	1.1	2
98	Seismic vs. geodetic moments at Mt. Etna volcano: A tool for a rapid understanding the eruptive behaviour?. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 367, 1-6.	2.1	1
99	Displacement across the Trecastagni Fault (Mt. Etna) and induced seismicity: the October 2009 to January 2010 episode. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	1
100	Measurement of drift mobilities in amorphous organic films using the Time of Flight method. , 2004, , .		0
101	Reply to comment by D. Carbone and D. PatanÃ on "Multidisciplinary investigation on a lava fountain preceding a flank eruption: The 10 May 2008 Etna case". <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	0
102	Tilt-Strain Changes Linked to a Jacking System Test. <i>Civil and Environmental Engineering</i> , 2022, 18, 234-243.	1.2	0