Vallery Stanishev

List of Publications by Year
in descending order

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98 papers	9,674 citations	53751 45 h-index	39638 94 g-index
99 all docs	99 docs citations	99 times ranked	5873 citing authors

#	Article	IF	Citations
1	New Constraints on Î©M, Î©Î›, andwfrom an Independent Set of 11 Highâ€Redshift Supernovae Observed with theHubble Space Telescope. Astrophysical Journal, 2003, 598, 102-137.	1.6	1,406
2	THEHUBBLE SPACE TELESCOPECLUSTER SUPERNOVA SURVEY. V. IMPROVING THE DARK-ENERGY CONSTRAINTS ABOVEz> 1 AND BUILDING AN EARLY-TYPE-HOSTED SUPERNOVA SAMPLE. Astrophysical Journal, 2012, 746, 85.	1.6	1,382
3	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2012, 538, A8.	2.1	904
4	The O3N2 and N2 abundance indicators revisited: improved calibrations based on CALIFA andT_e-based literature data. Astronomy and Astrophysics, 2013, 559, A114.	2.1	409
5	A giant outburst two years before the core-collapse of a massive star. Nature, 2007, 447, 829-832.	13.7	315
6	The Diversity of Type Ia Supernovae: Evidence for Systematics?. Astrophysical Journal, 2005, 623, 1011-1016.	1.6	312
7	The binary progenitor of Tycho Brahe's 1572 supernova. Nature, 2004, 431, 1069-1072.	13.7	216
8	Mass-metallicity relation explored with CALIFA. Astronomy and Astrophysics, 2013, 554, A58.	2.1	209
9	3D deflagration simulations leaving bound remnants: a model for 2002cx-like Type Ia supernovaeâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2287-2297.	1.6	175
10	High luminosity, slow ejecta and persistent carbon lines: SN 2009dc challenges thermonuclear explosion scenariosâ˜…. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2735-2762.	1.6	170
11	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2013, 549, A87.	2.1	170
12	SN 2004aw: confirming diversity of Type Ic supernovae. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1459-1477.	1.6	159
13	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2015, 576, A135.	2.1	159
14	SN 2008S: an electron-capture SN from a super-AGB progenitor?. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1041-1068.	1.6	151
15	SN 2003du: 480 days in the life of a normal type Ia supernova. Astronomy and Astrophysics, 2007, 469, 645-661.	2.1	149
16	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. Astrophysical Journal, 2005, 623, L37-L40.	1.6	146
17	Shape of the oxygen abundance profiles in CALIFA face-on spiral galaxies. Astronomy and Astrophysics, 2016, 587, A70.	2.1	123
18	ESC and KAIT observations of the transitional Type Ia SN 2004eo. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1531-1552.	1.6	112

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19	Extensive optical and near-infrared observations of the nearby, narrow-lined type Ic SN 2007gr: days 5 to 415. Astronomy and Astrophysics, 2009, 508, 371-389.	2.1	111
20	THE RISE OF SN 2014J IN THE NEARBY GALAXY M82. Astrophysical Journal Letters, 2014, 784, L12.	3.0	104
21	Spectroscopic Observations and Analysis of the Peculiar SN 1999aa. Astronomical Journal, 2004, 128, 387-404.	1.9	99
22	The Carbon-rich Type Ic SN 2007gr: The Photospheric Phase. Astrophysical Journal, 2008, 673, L155-L158.	1.6	99
23	ESC supernova spectroscopy of non-ESC targets. Astronomy and Astrophysics, 2008, 488, 383-399.	2.1	98
24	THE PECULIAR EXTINCTION LAW OF SN 2014J MEASURED WITH THE HUBBLE SPACE TELESCOPE. Astrophysical Journal Letters, 2014, 788, L21.	3.0	94
25	On the massive star contents of Cygnus OB2. Astronomy and Astrophysics, 2002, 389, 874-888.	2.1	94
26	Comparison of progenitor mass estimates for the Type IIP SN 2012A. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1636-1657.	1.6	88
27	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1301-1316.	1.6	86
28	The Type Ia Supernova 2004S, a Clone of SN 2001el, and the Optimal Photometric Bands for Extinction Estimation. Astronomical Journal, 2007, 133, 58-72.	1.9	85
29	The Outermost Ejecta of Type Ia Supernovae. Astrophysical Journal, 2008, 677, 448-460.	1.6	84
30	Nearby supernova host galaxies from the CALIFA Survey. Astronomy and Astrophysics, 2014, 572, A38.	2.1	82
31	PISCO: The PMAS/PPak Integral-field Supernova Hosts Compilation. Astrophysical Journal, 2018, 855, 107.	1.6	81
32	Diversity in extinction laws of Type Ia supernovae measured between 0.2 and 2â€‰Î¼m. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3301-3329.	1.6	78
33	Conductive polymer nanoantennas for dynamic organic plasmonics. Nature Nanotechnology, 2020, 15, 35-40.	15.6	70
34	THE EARLIEST NEAR-INFRARED TIME-SERIES SPECTROSCOPY OF A TYPE Ia SUPERNOVA. Astrophysical Journal, 2013, 766, 72.	1.6	68
35	The bright Type IIP SN 2009bw, showing signs of interactionâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1122-1139.	1.6	67
36	ESC observations of SN 2005cf. Astronomy and Astrophysics, 2007, 471, 527-535.	2.1	60

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37	AN INTENSIVEHUBBLE SPACE TELESCOPESURVEY FORz>1 TYPE Ia SUPERNOVAE BY TARGETING GALAXY CLUSTERS. Astronomical Journal, 2009, 138, 1271-1283.	1.9	60
38	Nearby supernova host galaxies from the CALIFA survey. Astronomy and Astrophysics, 2016, 591, A48.	2.1	60
39	A New Determination of the Highâ€Redshift Type Ia Supernova Rates with theHubble Space TelescopeAdvanced Camera for Surveys. Astrophysical Journal, 2008, 673, 981-998.	1.6	58
40	Measurement of Î©m, Î©Î›from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. Astrophysical Journal, 2006, 644, 1-20.	1.6	57
41	Multi-epoch high-resolution spectroscopy of SNÂ2011fe. Astronomy and Astrophysics, 2013, 549, A62.	2.1	54
42	The early spectral evolution of SNâ€‰2004dt. Astronomy and Astrophysics, 2007, 475, 585-595.	2.1	52
43	â€˜Super-Chandrasekharâ€™ Type Ia Supernovae at nebular epochsâ€˜.... Monthly Notices of the Royal Astronomical Society, 2013, 432, 3117-3130.	1.6	51
44	Spectra of High-Redshift Type Ia Supernovae and a Comparison with Their Low-Redshift Counterparts. Astronomical Journal, 2005, 130, 2788-2803.	1.9	49
45	Quantitative comparison between type Ia supernova spectra at low and high redshifts: a case study. Astronomy and Astrophysics, 2007, 470, 411-424.	2.1	49
46	RestframeI-band Hubble diagram for typeÂIa supernovae up to redshiftz$mathsf{sim}$ 0.5. Astronomy and Astrophysics, 2005, 437, 789-804.	2.1	46
47	Advanced Terahertz Frequency-Domain Ellipsometry Instrumentation for In Situ and Ex Situ Applications. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 257-270.	2.0	42
48	Spectroscopic Observations and Analysis of the Unusual Type Ia SN 1999ac. Astronomical Journal, 2005, 130, 2278-2292.	1.9	39
49	Comparative Direct Analysis of Type Ia Supernova Spectra. IV. Postmaximum. Publications of the Astronomical Society of the Pacific, 2008, 120, 135-149.	1.0	39
50	NTT and NOT spectroscopy of SDSS-II supernovae. Astronomy and Astrophysics, 2011, 526, A28.	2.1	39
51	PRECISION MEASUREMENT OF THE MOST DISTANT SPECTROSCOPICALLY CONFIRMED SUPERNOVA Ia WITH THEHUBBLE SPACE TELESCOPE. Astrophysical Journal, 2013, 763, 35.	1.6	39
52	Aperture corrections for disk galaxy properties derived from the CALIFA survey. Astronomy and Astrophysics, 2013, 553, L7.	2.1	37
53	On the anomalous optical conductivity dispersion of electrically conducting polymers: ultra-wide spectral range ellipsometry combined with a Drudeâ€“Lorentz model. Journal of Materials Chemistry C, 2019, 7, 4350-4362.	2.7	36
54	Spectroscopic confirmation of high-redshift supernovae with the ESO VLT. Astronomy and Astrophysics, 2005, 430, 843-851.	2.1	35

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55	Tunable Structural Color Images by UVâ€Patterned Conducting Polymer Nanofilms on Metal Surfaces. Advanced Materials, 2021, 33, e2102451.	11.1	34
56	Electrical Tuning of Plasmonic Conducting Polymer Nanoantennas. Advanced Materials, 2022, 34, e2107172.	11.1	32
57	Near-IR search for lensed supernovae behind galaxy clusters. Astronomy and Astrophysics, 2009, 507, 71-83.	2.1	31
58	High-redshift supernova rates measured with the gravitational telescope Aâ€‰1689. Astronomy and Astrophysics, 2016, 594, A54.	2.1	30
59	PX Andromedae: Superhumps and variable eclipse depth. Astronomy and Astrophysics, 2002, 394, 625-632.	2.1	30
60	A HIGHLY MAGNIFIED SUPERNOVA AT z = 1.703 BEHIND THE MASSIVE GALAXY CLUSTER A1689. Astrophysical Journal Letters, 2011, 742, L7.	3.0	27
61	HÎ± variability of the recurrent nova T Coronae Borealis. Astronomy and Astrophysics, 2004, 415, 609-616.	2.1	26
62	Light curves of five typeÂIa supernovae at intermediate redshift. Astronomy and Astrophysics, 2008, 486, 375-382.	2.1	25
63	Type Ia supernova host galaxies as seen with IFU spectroscopy. Astronomy and Astrophysics, 2012, 545, A58.	2.1	24
64	Near-infrared Supernova Ia Distances: Host Galaxy Extinction and Mass-step Corrections Revisited. Astrophysical Journal, 2021, 923, 237.	1.6	24
65	Multi-scale investigation of interface properties, stacking order and decoupling of few layer graphene on C-face 4H-SiC. Carbon, 2017, 116, 722-732.	5.4	23
66	In-situ terahertz optical Hall effect measurements of ambient effects on free charge carrier properties of epitaxial graphene. Scientific Reports, 2017, 7, 5151.	1.6	23
67	Correcting secondâ€order contamination in lowâ€resolution spectra. Astronomische Nachrichten, 2007, 328, 948-952.	0.6	21
68	Type Ia supernova Hubble diagram with near-infrared and optical observations. Astronomy and Astrophysics, 2018, 615, A45.	2.1	19
69	Accretion disc evolution in DW Ursae Majoris: A photometric study. Astronomy and Astrophysics, 2004, 416, 1057-1067.	2.1	19
70	Photometric study of selected cataclysmic variables. Astronomy and Astrophysics, 2006, 456, 599-609.	2.1	19
71	Near-IR search for lensed supernovae behind galaxy clusters. Astronomy and Astrophysics, 2009, 507, 61-69.	2.1	18
72	Flickering variability of T Coronae Borealis. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1477-1484.	1.6	15

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73	Assessing structural, free-charge carrier, and phonon properties of mixed-phase epitaxial films: The case of InN. Physical Review B, 2014, 90, .	1.1	15
74	Mg-doping and free-hole properties of hot-wall MOCVD GaN. Journal of Applied Physics, 2022, 131, .	1.1	14
75	Spectroscopy of twelve type Ia supernovae at intermediate redshift. Astronomy and Astrophysics, 2006, 445, 387-402.	2.1	12
76	Spectroscopy of TT Arietis in "positive superhumps" state. Astronomy and Astrophysics, 2001, 379, 185-198.	2.1	12
77	MV Lyrae: Photometric study at high state. Astronomy and Astrophysics, 1999, 134, 263-270.	2.1	12
78	Abundance stratification in Type Ia supernovae - III. The normal SNâ€ƒ2003du. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	11
79	Decoupling and ordering of multilayer graphene on C-face 3C-SiC(111). Applied Physics Letters, 2016, 109, .	1.5	10
80	Near-InfraredKCorrections of Type Ia Supernovae and their Errors. Publications of the Astronomical Society of the Pacific, 2014, 126, 324-337.	1.0	9
81	Research Note IY Ursae Majoris: Accretion disc evolution after superoutburst. Astronomy and Astrophysics, 2001, 367, 273-276.	2.1	9
82	Doped semiconducting polymer nanoantennas for tunable organic plasmonics. Communications Materials, 2022, 3, .	2.9	9
83	Cavity-enhanced optical Hall effect in epitaxial graphene detected at terahertz frequencies. Applied Surface Science, 2017, 421, 357-360.	3.1	8
84	Terahertz electron paramagnetic resonance generalized spectroscopic ellipsometry: The magnetic response of the nitrogen defect in 4H-SiC. Applied Physics Letters, 2022, 120, .	1.5	8
85	TYPE Ia SNe ALONG REDSHIFT: THE $mathcal {R}$(Si II) RATIO AND THE EXPANSION VELOCITIES IN INTERMEDIATE-zSUPERNOVAE. Astrophysical Journal, 2009, 695, 135-148.	1.6	6
86	Electron effective mass in In0.33Ga0.67N determined by mid-infrared optical Hall effect. Applied Physics Letters, 2018, 112, .	1.5	6
87	The Peculiar Type Ia Supernova 2005hk. , 2007, , .		5
88	Tunable Structural Color Images by UVâ€Patterned Conducting Polymer Nanofilms on Metal Surfaces (Adv. Mater. 33/2021). Advanced Materials, 2021, 33, 2170261.	11.1	5
89	Photometry of the SW Sextantis-type nova-like BH Lyncis in high state. Astronomy and Astrophysics, 2006, 455, 223-226.	2.1	4
90	Origin of layer decoupling in ordered multilayer graphene grown by high-temperature sublimation on C-face 4H-SiC. APL Materials, 2020, 8, .	2.2	4

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91	Morphology of Thin Films of Aromatic Ellagic Acid and Its Hydrogen Bonding Interactions. Journal of Physical Chemistry C, 2020, 124, 16381-16390.	1.5	4
92	Resolving mobility anisotropy in quasi-free-standing epitaxial graphene by terahertz optical Hall effect. Carbon, 2021, 172, 248-259.	5.4	4
93	Critical View on Buffer Layer Formation and Monolayer Graphene Properties in High-Temperature Sublimation. Applied Sciences (Switzerland), 2021, 11, 1891.	1.3	3
94	TT Arietis: Photometric variability from 1985 to 1994. Astronomy and Astrophysics, 1997, 122, 123-129.	2.1	3
95	Enhancement of 2DEG effective mass in AlN/Al0.78Ga0.22N high electron mobility transistor structure determined by THz optical Hall effect. Applied Physics Letters, 2022, 120, .	1.5	3
96	Incorporation of Magnesium into GaN Regulated by Intentionally Large Amounts of Hydrogen during Growth by MOCVD. Physica Status Solidi (B): Basic Research, 0, , .	0.7	1
97	Using the environment to understand supernova properties. Proceedings of the International Astronomical Union, 2013, 9, 350-351.	0.0	0
98	Mass of White Dwarf in T CRB and Variability of Accretion Disk. , 2003, , 353-354.		0