

Vallery Stanishev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrical Tuning of Plasmonic Conducting Polymer Nanoantennas. <i>Advanced Materials</i> , 2022, 34, e2107172.	11.1	32
2	Terahertz electron paramagnetic resonance generalized spectroscopic ellipsometry: The magnetic response of the nitrogen defect in 4H-SiC. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
3	Mg-doping and free-hole properties of hot-wall MOCVD GaN. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	14
4	Enhancement of 2DEG effective mass in AlN/Al _{0.78} Ga _{0.22} N high electron mobility transistor structure determined by THz optical Hall effect. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	3
5	Doped semiconducting polymer nanoantennas for tunable organic plasmonics. <i>Communications Materials</i> , 2022, 3, .	2.9	9
6	Resolving mobility anisotropy in quasi-free-standing epitaxial graphene by terahertz optical Hall effect. <i>Carbon</i> , 2021, 172, 248-259.	5.4	4
7	Critical View on Buffer Layer Formation and Monolayer Graphene Properties in High-Temperature Sublimation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1891.	1.3	3
8	Tunable Structural Color Images by UV- ϵ -Patterned Conducting Polymer Nanofilms on Metal Surfaces. <i>Advanced Materials</i> , 2021, 33, e2102451.	11.1	34
9	Tunable Structural Color Images by UV- ϵ -Patterned Conducting Polymer Nanofilms on Metal Surfaces (Adv. Mater. 33/2021). <i>Advanced Materials</i> , 2021, 33, 2170261.	11.1	5
10	Near-infrared Supernova Ia Distances: Host Galaxy Extinction and Mass-step Corrections Revisited. <i>Astrophysical Journal</i> , 2021, 923, 237.	1.6	24
11	Origin of layer decoupling in ordered multilayer graphene grown by high-temperature sublimation on C-face 4H-SiC. <i>APL Materials</i> , 2020, 8, .	2.2	4
12	Conductive polymer nanoantennas for dynamic organic plasmonics. <i>Nature Nanotechnology</i> , 2020, 15, 35-40.	15.6	70
13	Morphology of Thin Films of Aromatic Ellagic Acid and Its Hydrogen Bonding Interactions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16381-16390.	1.5	4
14	On the anomalous optical conductivity dispersion of electrically conducting polymers: ultra-wide spectral range ellipsometry combined with a Drude-Lorentz model. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4350-4362.	2.7	36
15	Electron effective mass in In _{0.33} Ga _{0.67} N determined by mid-infrared optical Hall effect. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	6
16	Advanced Terahertz Frequency-Domain Ellipsometry Instrumentation for <i>In Situ</i> and <i>Ex Situ</i> Applications. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2018, 8, 257-270.	2.0	42
17	PISCO: The PMAS/PPak Integral-field Supernova Hosts Compilation. <i>Astrophysical Journal</i> , 2018, 855, 107.	1.6	81
18	Type Ia supernova Hubble diagram with near-infrared and optical observations. <i>Astronomy and Astrophysics</i> , 2018, 615, A45.	2.1	19

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19	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
20	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
21	Cavity-enhanced optical Hall effect in epitaxial graphene detected at terahertz frequencies. Applied Surface Science, 2017, 421, 357-360.	3.1	8
22	Shape of the oxygen abundance profiles in CALIFA face-on spiral galaxies. Astronomy and Astrophysics, 2016, 587, A70.	2.1	123
23	High-redshift supernova rates measured with the gravitational telescope Aâ€™%1689. Astronomy and Astrophysics, 2016, 594, A54.	2.1	30
24	Decoupling and ordering of multilayer graphene on C-face 3C-SiC(111). Applied Physics Letters, 2016, 109, .	1.5	10
25	Nearby supernova host galaxies from the CALIFA survey. Astronomy and Astrophysics, 2016, 591, A48.	2.1	60
26	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2015, 576, A135.	2.1	159
27	Diversity in extinction laws of Type Ia supernovae measured between 0.2 and 2â€™%1/4m. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3301-3329.	1.6	78
28	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
29	THE PECULIAR EXTINCTION LAW OF SN 2014J MEASURED WITH THE <i>HUBBLE SPACE TELESCOPE</i>. Astrophysical Journal Letters, 2014, 788, L21.	3.0	94
30	THE RISE OF SN 2014J IN THE NEARBY GALAXY M82. Astrophysical Journal Letters, 2014, 784, L12.	3.0	104
31	Nearby supernova host galaxies from the CALIFA Survey. Astronomy and Astrophysics, 2014, 572, A38.	2.1	82
32	Near-Infrared<i>K</i>Corrections of Type Ia Supernovae and their Errors. Publications of the Astronomical Society of the Pacific, 2014, 126, 324-337.	1.0	9
33	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
34	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
35	THE EARLIEST NEAR-INFRARED TIME-SERIES SPECTROSCOPY OF A TYPE Ia SUPERNOVA. Astrophysical Journal, 2013, 766, 72.	1.6	68
36	â€™Super-Chandrasekharâ€™ Type Ia Supernovae at nebular epochsâ€™.... Monthly Notices of the Royal Astronomical Society, 2013, 432, 3117-3130.	1.6	51

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37	The O3N2 and N2 abundance indicators revisited: improved calibrations based on CALIFA and T _e -based literature data. <i>Astronomy and Astrophysics</i> , 2013, 559, A114.	2.1	409
38	Using the environment to understand supernova properties. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 350-351.	0.0	0
39	Mass-metallicity relation explored with CALIFA. <i>Astronomy and Astrophysics</i> , 2013, 554, A58.	2.1	209
40	Multi-epoch high-resolution spectroscopy of SN 2011fe. <i>Astronomy and Astrophysics</i> , 2013, 549, A62.	2.1	54
41	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2013, 549, A87.	2.1	170
42	PRECISION MEASUREMENT OF THE MOST DISTANT SPECTROSCOPICALLY CONFIRMED SUPERNOVA Ia WITH THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2013, 763, 35.	1.6	39
43	Aperture corrections for disk galaxy properties derived from the CALIFA survey. <i>Astronomy and Astrophysics</i> , 2013, 553, L7.	2.1	37
44	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2012, 538, A8.	2.1	904
45	THE HUBBLE SPACE TELESCOPE CLUSTER SUPERNOVA SURVEY. V. IMPROVING THE DARK-ENERGY CONSTRAINTS ABOVE $z > 1$ AND BUILDING AN EARLY-TYPE-HOSTED SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , 2012, 746, 85.	1.6	1,382
46	Type Ia supernova host galaxies as seen with IFU spectroscopy. <i>Astronomy and Astrophysics</i> , 2012, 545, A58.	2.1	24
47	The bright Type IIP SN 2009bw, showing signs of interaction.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1122-1139.	1.6	67
48	NTT and NOT spectroscopy of SDSS-II supernovae. <i>Astronomy and Astrophysics</i> , 2011, 526, A28.	2.1	39
49	A HIGHLY MAGNIFIED SUPERNOVA AT $z = 1.703$ BEHIND THE MASSIVE GALAXY CLUSTER A1689. <i>Astrophysical Journal Letters</i> , 2011, 742, L7.	3.0	27
50	High luminosity, slow ejecta and persistent carbon lines: SN 2009dc challenges thermonuclear explosion scenarios.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 2735-2762.	1.6	170
51	Abundance stratification in Type Ia supernovae - III. The normal SN 2003du. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	11
52	Near-IR search for lensed supernovae behind galaxy clusters. <i>Astronomy and Astrophysics</i> , 2009, 507, 71-83.	2.1	31
53	Near-IR search for lensed supernovae behind galaxy clusters. <i>Astronomy and Astrophysics</i> , 2009, 507, 61-69.	2.1	18
54	Extensive optical and near-infrared observations of the nearby, narrow-lined type Ic SN 2007gr: days 5 to 415. <i>Astronomy and Astrophysics</i> , 2009, 508, 371-389.	2.1	111

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55	AN INTENSIVE HUBBLE SPACE TELESCOPE SURVEY FOR $z > 1$ TYPE Ia SUPERNOVAE BY TARGETING GALAXY CLUSTERS. <i>Astronomical Journal</i> , 2009, 138, 1271-1283.	1.9	60
56	SN 2008S: an electron-capture SN from a super-AGB progenitor?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1041-1068.	1.6	151
57	TYPE Ia SNe ALONG REDSHIFT: THE $R/(Si II)$ RATIO AND THE EXPANSION VELOCITIES IN INTERMEDIATE- z SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 695, 135-148.	1.6	6
58	Comparative Direct Analysis of Type Ia Supernova Spectra. IV. Postmaximum. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 135-149.	1.0	39
59	A New Determination of the High-Redshift Type Ia Supernova Rates with the Hubble Space Telescope Advanced Camera for Surveys. <i>Astrophysical Journal</i> , 2008, 673, 981-998.	1.6	58
60	The Carbon-rich Type Ic SN 2007gr: The Photospheric Phase. <i>Astrophysical Journal</i> , 2008, 673, L155-L158.	1.6	99
61	Light curves of five type Ia supernovae at intermediate redshift. <i>Astronomy and Astrophysics</i> , 2008, 486, 375-382.	2.1	25
62	ESC supernova spectroscopy of non-ESC targets. <i>Astronomy and Astrophysics</i> , 2008, 488, 383-399.	2.1	98
63	The Outermost Ejecta of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2008, 677, 448-460.	1.6	84
64	The Peculiar Type Ia Supernova 2005hk. , 2007, , .		5
65	The Type Ia Supernova 2004S, a Clone of SN 2001el, and the Optimal Photometric Bands for Extinction Estimation. <i>Astronomical Journal</i> , 2007, 133, 58-72.	1.9	85
66	SN 2003du: 480 days in the life of a normal type Ia supernova. <i>Astronomy and Astrophysics</i> , 2007, 469, 645-661.	2.1	149
67	ESC observations of SN 2005cf. <i>Astronomy and Astrophysics</i> , 2007, 471, 527-535.	2.1	60
68	The early spectral evolution of SN 2004dt. <i>Astronomy and Astrophysics</i> , 2007, 475, 585-595.	2.1	52
69	Correcting second-order contamination in low-resolution spectra. <i>Astronomische Nachrichten</i> , 2007, 328, 948-952.	0.6	21
70	A giant outburst two years before the core-collapse of a massive star. <i>Nature</i> , 2007, 447, 829-832.	18.7	315
71	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 1301-1316.	1.6	86
72	ESC and KAIT observations of the transitional Type Ia SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 1531-1552.	1.6	112

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73	Quantitative comparison between type Ia supernova spectra at low and high redshifts: a case study. <i>Astronomy and Astrophysics</i> , 2007, 470, 411-424.	2.1	49
74	Photometry of the SW Sextantis-type nova-like BH Lyncis in high state. <i>Astronomy and Astrophysics</i> , 2006, 455, 223-226.	2.1	4
75	Measurement of \hat{M} , \hat{M} from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. <i>Astrophysical Journal</i> , 2006, 644, 1-20.	1.6	57
76	Spectroscopy of twelve type Ia supernovae at intermediate redshift. <i>Astronomy and Astrophysics</i> , 2006, 445, 387-402.	2.1	12
77	SN 2004aw: confirming diversity of Type Ic supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 1459-1477.	1.6	159
78	Photometric study of selected cataclysmic variables. <i>Astronomy and Astrophysics</i> , 2006, 456, 599-609.	2.1	19
79	Spectroscopic Observations and Analysis of the Unusual Type Ia SN 1999ac. <i>Astronomical Journal</i> , 2005, 130, 2278-2292.	1.9	39
80	The Diversity of Type Ia Supernovae: Evidence for Systematics?. <i>Astrophysical Journal</i> , 2005, 623, 1011-1016.	1.6	312
81	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2005, 623, L37-L40.	1.6	146
82	Spectra of High-Redshift Type Ia Supernovae and a Comparison with Their Low-Redshift Counterparts. <i>Astronomical Journal</i> , 2005, 130, 2788-2803.	1.9	49
83	Spectroscopic confirmation of high-redshift supernovae with the ESO VLT. <i>Astronomy and Astrophysics</i> , 2005, 430, 843-851.	2.1	35
84	Restframe I-band Hubble diagram for type Ia supernovae up to redshift $z \sim 0.5$. <i>Astronomy and Astrophysics</i> , 2005, 437, 789-804.	2.1	46
85	Spectroscopic Observations and Analysis of the Peculiar SN 1999aa. <i>Astronomical Journal</i> , 2004, 128, 387-404.	1.9	99
86	Flickering variability of T Coronae Borealis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 1477-1484.	1.6	15
87	The binary progenitor of Tycho Brahe's 1572 supernova. <i>Nature</i> , 2004, 431, 1069-1072.	13.7	216
88	Accretion disc evolution in DW Ursae Majoris: A photometric study. <i>Astronomy and Astrophysics</i> , 2004, 416, 1057-1067.	2.1	19
89	$H\beta$ variability of the recurrent nova T Coronae Borealis. <i>Astronomy and Astrophysics</i> , 2004, 415, 609-616.	2.1	26
90	New Constraints on \hat{M} , \hat{M} , and w from an Independent Set of 11 High-Redshift Supernovae Observed with the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2003, 598, 102-137.	1.6	1,406

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91	Mass of White Dwarf in T CRB and Variability of Accretion Disk. , 2003, , 353-354.		0
92	On the massive star contents of Cygnus OB2. Astronomy and Astrophysics, 2002, 389, 874-888.	2.1	94
93	PX Andromedae: Superhumps and variable eclipse depth. Astronomy and Astrophysics, 2002, 394, 625-632.	2.1	30
94	Research Note IY Ursae Majoris: Accretion disc evolution after superoutburst. Astronomy and Astrophysics, 2001, 367, 273-276.	2.1	9
95	Spectroscopy of TT Arietis in "positive superhumps" state. Astronomy and Astrophysics, 2001, 379, 185-198.	2.1	12
96	MV Lyrae: Photometric study at high state. Astronomy and Astrophysics, 1999, 134, 263-270.	2.1	12
97	TT Arietis: Photometric variability from 1985 to 1994. Astronomy and Astrophysics, 1997, 122, 123-129.	2.1	3
98	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