

Sangeeta Malhotra

List of Publications by Year in descending order

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118
papers

6,864
citations

61984

43
h-index

60623

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119
all docs

119
docs citations

119
times ranked

3841
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditions for detecting lensed Population III galaxies in blind surveys with the James Webb Space Telescope, the Roman Space Telescope, and Euclid. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3030-3044.	4.4	12
2	LAGER Ly α Luminosity Function at $z \sim 7$: Implications for Reionization. Astrophysical Journal, 2022, 927, 36.	4.5	32
3	A Green Pea Starburst Arising from a Galaxy-Galaxy Merger. Astrophysical Journal Letters, 2022, 933, L11.	8.3	2
4	Void Probability Function of Simulated Surveys of High-redshift Ly α Emitters. Astrophysical Journal, 2021, 906, 58.	4.5	6
5	A Lyman- α protocluster at redshift 6.9. Nature Astronomy, 2021, 5, 485-490.	10.1	41
6	The Atomic Gas Mass of Green Pea Galaxies. Astrophysical Journal Letters, 2021, 913, L15.	8.3	7
7	The Compact UV Size of Green Pea Galaxies As Local Analogs of High-redshift Ly α -Emitters. Astrophysical Journal, 2021, 914, 2.	4.5	12
8	The Metal Abundances across Cosmic Time (MACT) Survey. III – The relationship between stellar mass and star formation rate in extremely low-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2231-2249.	4.4	6
9	Bubble mapping with the Square Kilometre Array – I. Detecting galaxies with Euclid, JWST, WFIRST, and ELT within ionized bubbles in the intergalactic medium at $z \sim 6$. Monthly Notices of the Royal Astronomical Society, 2020, 493, 855-870.	4.4	8
10	Onset of Cosmic Reionization: Evidence of an Ionized Bubble Merely 680 Myr after the Big Bang. Astrophysical Journal Letters, 2020, 891, L10.	8.3	58
11	The Importance of Star Formation Intensity in Ly α Escape from Green Pea Galaxies and Lyman Break Galaxy Analogs. Astrophysical Journal, 2020, 893, 134.	4.5	15
12	A Catalog of Emission-line Galaxies from the Faint Infrared Grism Survey: Studying Environmental Influence on Star Formation. Astrophysical Journal, 2020, 888, 79.	4.5	7
13	A Comprehensive Study of H α Emitters at $z \sim 0.62$ in the DAWN Survey: The Need for Deep and Wide Regions. Astrophysical Journal, 2020, 892, 30.	4.5	3
14	Texas Spectroscopic Search for Ly α Emission at the End of Reionization. III. The Ly α Equivalent-width Distribution and Ionized Structures at $z \sim 7$. Astrophysical Journal, 2020, 904, 144.	4.5	83
15	Near-infrared Spectroscopy of Galaxies During Reionization: Measuring C iii] in a Galaxy at $z \sim 7.5$. Astrophysical Journal, 2019, 879, 70.	4.5	49
16	Texas Spectroscopic Search for Ly α Emission at the End of Reionization. II. The Deepest Near-infrared Spectroscopic Observation at $z \sim 7$. Astrophysical Journal, 2019, 877, 146.	4.5	16
17	FIGS: spectral fitting constraints on the star formation history of massive galaxies since the cosmic noon. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1358-1376.	4.4	7
18	Ly α Galaxies in the Epoch of Reionization (LAGER): Spectroscopic Confirmation of Two Redshift $z \sim 7.0$ Galaxies. Astrophysical Journal, 2019, 876, 123.	4.5	8

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19	Design for the First Narrowband Filter for the Dark Energy Camera: Optimizing the LAGER Survey for $z \sim 7$ Galaxies. Publications of the Astronomical Society of the Pacific, 2019, 131, 074502.	3.1	7
20	Correlation between SFR Surface Density and Thermal Pressure of Ionized Gas in Local Analogs of High-redshift Galaxies. Astrophysical Journal, 2019, 872, 146.	4.5	13
21	Emission-line Metallicities from the Faint Infrared Grism Survey and VLT/MUSE. Astrophysical Journal, 2019, 874, 125.	4.5	5
22	Direct T_{e} Metallicity Calibration of R23 in Strong Line Emitters. Astrophysical Journal, 2019, 872, 145.	4.5	19
23	The $\text{Ly}\alpha$ Luminosity Function and Cosmic Reionization at $z \sim 7.0$: A Tale of Two LAGER Fields. Astrophysical Journal, 2019, 886, 90.	4.5	44
24	Astrometry with the Wide-Field Infrared Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	28
25	A Two-dimensional Spectroscopic Study of Emission-line Galaxies in the Faint Infrared Grism Survey (FIGS). I. Detection Method and Catalog. Astrophysical Journal, 2018, 868, 61.	4.5	11
26	Galaxy Structure, Stellar Populations, and Star Formation Quenching at $0.6 \leq z \leq 1.2$. Astrophysical Journal, 2018, 867, 118.	4.5	14
27	$\text{H}\alpha$ Emitting Galaxies at $z \sim 0.6$ in the Deep And Wide Narrow-band Survey. Astrophysical Journal, 2018, 858, 96.	4.5	10
28	Spectrophotometric Redshifts in the Faint Infrared Grism Survey: Finding Overdensities of Faint Galaxies. Astrophysical Journal, 2018, 856, 116.	4.5	5
29	Empirical Modeling of the Redshift Evolution of the $[\text{N II}] / \text{H}\alpha$ Ratio for Galaxy Redshift Surveys. Astrophysical Journal, 2018, 855, 132.	4.5	28
30	Discovery of a $z = 7.452$ High Equivalent Width $\text{Ly}\alpha$ Emitter from the Hubble Space Telescope Faint Infrared Grism Survey. Astrophysical Journal, 2018, 858, 94.	4.5	31
31	Lyman-alpha comes of age. Nature Astronomy, 2018, 2, 625-626.	10.1	0
32	HERSCHEL EXTREME LENSING LINE OBSERVATIONS: $[\text{C II}]$ VARIATIONS IN GALAXIES AT REDSHIFTS $z \sim 1-3$. Astrophysical Journal, 2017, 835, 110.	4.5	7
33	$\text{Ly}\alpha$ and UV Sizes of Green Pea Galaxies. Astrophysical Journal, 2017, 838, 4.	4.5	27
34	First Spectroscopic Confirmations of $z \sim 7.0$ $\text{Ly}\alpha$ Emitting Galaxies in the LAGER Survey. Astrophysical Journal Letters, 2017, 845, L16.	8.3	33
35	A Herschel/PACS Far-infrared Line Emission Survey of Local Luminous Infrared Galaxies. Astrophysical Journal, 2017, 846, 32.	4.5	178
36	$\text{Ly}\alpha$ Profile, Dust, and Prediction of $\text{Ly}\alpha$ Escape Fraction in Green Pea Galaxies. Astrophysical Journal, 2017, 844, 171.	4.5	127

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37	First Results from the Lyman Alpha Galaxies in the Epoch of Reionization (LAGER) Survey: Cosmological Reionization at $z \sim 7$. <i>Astrophysical Journal Letters</i> , 2017, 842, L22.	8.3	111
38	FIGS—Faint Infrared Grism Survey: Description and Data Reduction. <i>Astrophysical Journal</i> , 2017, 846, 84.	4.5	37
39	Blueberry Galaxies: The Lowest Mass Young Starbursts. <i>Astrophysical Journal</i> , 2017, 847, 38.	4.5	70
40	Ly α EMITTER GALAXIES AT $z \sim 2.8$ IN THE EXTENDED CHANDRA DEEP FIELD SOUTH. I. TRACING THE LARGE-SCALE STRUCTURE VIA Ly α IMAGING. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 23.	7.7	28
41	THE METAL ABUNDANCES ACROSS COSMIC TIME ($z \sim 0.5 - 7$) SURVEY. I. OPTICAL SPECTROSCOPY IN THE SUBARU DEEP FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 5.	7.7	18
42	GREEN PEA GALAXIES REVEAL SECRETS OF Ly α ESCAPE. <i>Astrophysical Journal</i> , 2016, 820, 130.	4.5	77
43	About AGN ionization echoes, thermal echoes and ionization deficits in low-redshift Ly α blobs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1554-1586.	4.4	24
44	FIRST RESULTS FROM THE FAINT INFRARED GRISM SURVEY (FIGS): FIRST SIMULTANEOUS DETECTION OF Ly α EMISSION AND LYMAN BREAK FROM A GALAXY AT $z \sim 7.5$. <i>Astrophysical Journal Letters</i> , 2016, 827, L14.	8.3	50
45	PROBING THE PHYSICAL PROPERTIES OF $z \sim 4.5$ Ly α EMITTERS WITH SPITZER. <i>Astrophysical Journal</i> , 2015, 813, 78.	4.5	17
46	THE DYNAMICAL MASSES, DENSITIES, AND STAR FORMATION SCALING RELATIONS OF Ly α GALAXIES. <i>Astrophysical Journal</i> , 2014, 780, 20.	4.5	15
47	Ly α equivalent width distribution of Ly α emitting galaxies at redshift $z \sim 4.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1101-1109.	4.4	34
48	HERSCHEL EXTREME LENSING LINE OBSERVATIONS: DYNAMICS OF TWO STRONGLY LENSED STAR-FORMING GALAXIES NEAR REDSHIFT $z \sim 2$. <i>Astrophysical Journal</i> , 2014, 787, 8.	4.5	10
49	A $z \sim 5.7$ Ly α EMISSION LINE WITH AN ULTRABROAD RED WING. <i>Astrophysical Journal</i> , 2014, 784, 35.	4.5	2
50	REAL OR INTERLOPER? THE REDSHIFT LIKELIHOODS OF $z \sim 8$ GALAXIES IN THE HUDF12. <i>Astrophysical Journal</i> , 2013, 775, 11.	4.5	15
51	[O III] EMISSION AND GAS KINEMATICS IN A LYMAN-ALPHA BLOB AT $z \sim 3.1$. <i>Astrophysical Journal</i> , 2013, 767, 48.	4.5	17
52	A LYMAN BREAK GALAXY IN THE EPOCH OF REIONIZATION FROM HUBBLE SPACE TELESCOPE GRISM SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 773, 32.	4.5	14
53	Ly α luminosity functions at redshift $z \sim 4.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3589-3607.	4.4	25
54	EMISSION-LINE GALAXIES FROM THE HUBBLE SPACE TELESCOPE PROBING EVOLUTION AND REIONIZATION SPECTROSCOPICALLY (PEARS) GRISM SURVEY. II. THE COMPLETE SAMPLE. <i>Astrophysical Journal</i> , 2013, 772, 48.	4.5	47

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55	LAE Galaxies at High Redshift: Formation Sites for Low-Metal Globular Clusters. Proceedings of the International Astronomical Union, 2012, 10, 257-258.	0.0	0
56	THE ROAD TO THE RED SEQUENCE: A DETAILED VIEW OF THE FORMATION OF A MASSIVE GALAXY AT $z \approx 1/4$. Astronomical Journal, 2012, 144, 47.	4.7	20
57	METALLICITIES OF EMISSION-LINE GALAXIES FROM <i>HST</i> /ACS PEARS AND <i>HST</i> /WFC3 ERS GRISM SPECTROSCOPY AT $0.6 < z < 2.4$. Astronomical Journal, 2012, 144, 28.	4.7	27
58	FORMATION OF METAL-POOR GLOBULAR CLUSTERS IN $\text{Ly}\alpha$ EMITTING GALAXIES IN THE EARLY UNIVERSE. Astrophysical Journal, 2012, 757, 9.	4.5	53
59	SEARCHING FOR $z \approx 1/4$ $7.7 \text{ Ly}\alpha$ EMITTERS IN THE COSMOS FIELD WITH NEWFIRM. Astrophysical Journal, 2012, 745, 122.	4.5	41
60	X-RAY CONSTRAINTS ON THE $\text{Ly}\alpha$ ESCAPE FRACTION. Astrophysical Journal, 2012, 746, 28.	4.5	15
61	A $\text{Ly}\alpha$ GALAXY AT REDSHIFT $z = 6.944$ IN THE COSMOS FIELD. Astrophysical Journal Letters, 2012, 752, L28.	8.3	25
62	SIZING UP $\text{Ly}\alpha$ AND LYMAN BREAK GALAXIES. Astrophysical Journal Letters, 2012, 750, L36.	8.3	66
63	A LINK TO THE PAST: USING MARKOV CHAIN MONTE CARLO FITTING TO CONSTRAIN FUNDAMENTAL PARAMETERS OF HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2012, 748, 122.	4.5	19
64	DUST EXTINCTION AND METALLICITIES OF STAR-FORMING $\text{Ly}\alpha$ EMITTING GALAXIES AT LOW REDSHIFT. Astrophysical Journal, 2011, 733, 117.	4.5	46
65	FIRST SPECTROSCOPIC MEASUREMENTS OF [O III] EMISSION FROM $\text{Ly}\alpha$ SELECTED FIELD GALAXIES AT $z \approx 1/4$. Astrophysical Journal, 2011, 730, 136.	4.5	89
66	<i>HUBBLE</i> SPACE TELESCOPE IMAGING OF $\text{Ly}\alpha$ EMISSION AT $z \approx 4.4$. Astrophysical Journal, 2011, 735, 5.	4.5	33
67	SPECTROSCOPIC STUDY OF THE <i>HST</i> /ACS PEARS EMISSION-LINE GALAXIES. Astronomical Journal, 2011, 141, 64.	4.7	18
68	THE LUMINOSITY FUNCTION OF $\text{Ly}\alpha$ EMITTERS AT REDSHIFT $z = 7.7$. Astrophysical Journal, 2010, 721, 1853-1860.	4.5	63
69	A PLETHORA OF ACTIVE GALACTIC NUCLEI AMONG $\text{Ly}\alpha$ GALAXIES AT LOW REDSHIFT. Astrophysical Journal, 2009, 703, L162-L166.	4.5	26
70	LYMAN ALPHA GALAXIES: PRIMITIVE, DUSTY, OR EVOLVED?. Astrophysical Journal, 2009, 691, 465-481.	4.5	135
71	EVOLUTION OF $\text{Ly}\alpha$ GALAXIES: STELLAR POPULATIONS AT $z \approx 1/4$ 0.3. Astrophysical Journal, 2009, 700, 276-283.	4.5	33
72	SPECTROSCOPIC CONFIRMATION OF FAINT LYMAN BREAK GALAXIES NEAR REDSHIFT FIVE IN THE HUBBLE ULTRA DEEP FIELD. Astrophysical Journal, 2009, 697, 942-949.	4.5	33

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73	Ly α -EMITTING GALAXIES AT REDSHIFT $z \approx 4.5$ IN THE LALA CETUS FIELD. <i>Astrophysical Journal</i> , 2009, 706, 762-771.	4.5	29
74	A PHYSICAL MODEL OF Ly α EMITTERS. <i>Astrophysical Journal</i> , 2009, 704, 724-732.	4.5	23
75	EARLY-TYPE GALAXIES IN THE PEARS SURVEY: PROBING THE STELLAR POPULATIONS AT MODERATE REDSHIFT. <i>Astrophysical Journal</i> , 2009, 706, 158-169.	4.5	44
76	IMPROVED PHOTOMETRIC REDSHIFTS WITH SURFACE LUMINOSITY PRIORS. <i>Astronomical Journal</i> , 2009, 138, 95-101.	4.7	6
77	EMISSION-LINE GALAXIES FROM THE HUBBLE SPACE TELESCOPE PROBING EVOLUTION AND REIONIZATION SPECTROSCOPICALLY (PEARS) GRISM SURVEY. I. THE SOUTH FIELDS. <i>Astronomical Journal</i> , 2009, 138, 1022-1031.	4.7	42
78	The expected detection of dust emission from high-redshift Lyman α galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1174-1182.	4.4	20
79	Effects of Dust Geometry in Ly α Galaxies at $z = 4.41$. <i>Astrophysical Journal</i> , 2008, 678, 655-668.	4.5	100
80	EMISSION-LINE GALAXIES FROM THE PEARS HUBBLE ULTRA DEEP FIELD: A 2D DETECTION METHOD AND FIRST RESULTS. <i>Astronomical Journal</i> , 2008, 135, 1624-1635.	4.7	31
81	Clustering of Ly α Emitters at $z \approx 4.5$. <i>Astrophysical Journal</i> , 2007, 668, 15-22.	4.5	68
82	A Luminosity Function of Ly α -emitting Galaxies at $z \approx 4.5$. <i>Astrophysical Journal</i> , 2007, 671, 1227-1240.	4.5	101
83	Redshifts of Emission-Line Objects in the Hubble Ultra Deep Field. <i>Astronomical Journal</i> , 2007, 134, 169-178.	4.7	31
84	Infrared Emission from the Nearby Cool Core Cluster Abell 2597. <i>Astrophysical Journal</i> , 2007, 670, 231-236.	4.5	16
85	Constraints on Accretion in Ultraluminous X-Ray Sources from Spitzer IRS Observations of NGC 4485/4490: Infrared Diagnostic Diagrams. <i>Astrophysical Journal</i> , 2007, 658, L21-L24.	4.5	7
86	The Ages and Masses of Ly α Galaxies at $z \approx 4.5$. <i>Astrophysical Journal</i> , 2007, 660, 1023-1029.	4.5	102
87	The GLARE Survey II. Faint $z \approx 6$ Ly α line emitters in the HUDF. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 727-738.	4.4	66
88	The Volume Fraction of Ionized Intergalactic Gas at Redshift $z \approx 6.5$. <i>Astrophysical Journal</i> , 2006, 647, L95-L98.	4.5	77
89	High-redshift Lyman- α galaxies. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 254-254.	0.0	0
90	The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. <i>Astrophysical Journal</i> , 2006, 652, 1112-1121.	4.5	76

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91	Discovery of a Solitary Dwarf Galaxy in the APPLES Survey. <i>Astronomical Journal</i> , 2005, 129, 148-159.	4.7	26
92	A Galaxy at $z = 6.545$ and Constraints on the Epoch of Reionization. <i>Astrophysical Journal</i> , 2005, 619, 12-18.	4.5	69
93	A Redshift $z = 5.4$ Ly α Emitting Galaxy with Linear Morphology in the GRAPES/Hubble Ultra Deep Field. <i>Astrophysical Journal</i> , 2005, 621, 582-586.	4.5	24
94	Spitzer Infrared Nearby Galaxies Survey (SINGS) Imaging of NGC 7331: A Panchromatic View of a Ringed Galaxy. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 204-210.	7.7	62
95	Three Ly Emitters at $z = 6$: Early GMOS/Gemini Data from the GLARE Project. <i>Astrophysical Journal</i> , 2004, 604, L13-L16.	4.5	90
96	Spectroscopic Properties of the $z = 4.5$ Ly α Emitters. <i>Astrophysical Journal</i> , 2004, 617, 707-717.	4.5	116
97	Luminosity Functions of Ly α Emitters at Redshifts $z = 6.5$ and $z = 5.7$: Evidence against Reionization at $z = 6.5$. <i>Astrophysical Journal</i> , 2004, 617, L5-L8.	4.5	305
98	[O I] 63 Micron Emission from High- and Low-Luminosity Active Galactic Nucleus Galaxies. <i>Astrophysical Journal</i> , 2004, 604, 565-571.	4.5	18
99	A Luminous Ly α Emitting Galaxy at Redshift $z = 6.535$: Discovery and Spectroscopic Confirmation. <i>Astrophysical Journal</i> , 2004, 611, 59-67.	4.5	90
100	SINGS: The SIRT Nearby Galaxies Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2003, 115, 928-952.	3.1	1,048
101	Infrared Emission of Normal Galaxies from 2.5 to 12 Micron: Infrared Space Observatory Spectra, Near-Infrared Continuum, and Mid-Infrared Emission Features. <i>Astrophysical Journal</i> , 2003, 588, 199-217.	4.5	137
102	Spectroscopic Confirmation of Three Redshift $z = 5.7$ Ly α Emitters from the Large-Area Lyman Alpha Survey. <i>Astronomical Journal</i> , 2003, 125, 1006-1013.	4.7	181
103	ISO LWS Observations of the Two Nearby Spiral Galaxies NGC 6946 and NGC 1313. <i>Astronomical Journal</i> , 2002, 124, 751-776.	4.7	41
104	Large Equivalent Width Ly α line Emission at $z = 4.5$: Young Galaxies in a Young Universe?. <i>Astrophysical Journal</i> , 2002, 565, L71-L74.	4.5	252
105	Ly α Emitters at Redshift $z = 5.7$. <i>Astrophysical Journal</i> , 2001, 563, L5-L9.	4.5	132
106	Evidence for the Heating of Atomic Interstellar Gas by Polycyclic Aromatic Hydrocarbons. <i>Astrophysical Journal</i> , 2001, 548, L73-L76.	4.5	83
107	The Interstellar Medium of Star-forming Irregular Galaxies: The View with ISO. <i>Astrophysical Journal</i> , 2001, 553, 121-145.	4.5	71
108	First Results from the Large-Area Lyman Alpha Survey. <i>Astrophysical Journal</i> , 2000, 545, L85-L88.	4.5	240

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109	[ITAL]ISO[/ITAL] Mid-Infrared Observations of Normal Star-Forming Galaxies: The Key Project Sample. <i>Astronomical Journal</i> , 2000, 120, 583-603.	4.7	76
110	Toward an Understanding of the Mid-Infrared Surface Brightness of Normal Galaxies. <i>Astronomical Journal</i> , 1999, 118, 2055-2064.	4.7	17
111	Microlensing of Globular Clusters as a Probe of Galactic Structure. <i>Astrophysical Journal</i> , 1998, 495, L55-L58.	4.5	5
112	A Robust Determination of the Time Delay in 0957+561A, B and a Measurement of the Global Value of Hubble's Constant. <i>Astrophysical Journal</i> , 1997, 482, 75-82.	4.5	242
113	Detection of the 2175 Å... Dust Feature in M[CLC]g[/CLC] [CSC]ii[/CSC] Absorption Systems. <i>Astrophysical Journal</i> , 1997, 488, L101-L104.	4.5	25
114	The Milky Way, Local Galaxies, and the Infrared Tullyâ€Fisher Relation. <i>Astrophysical Journal</i> , 1996, 473, 687-691.	4.5	30
115	A Candidate Gravitational Lens in the Hubble Deep Field. <i>Astrophysical Journal</i> , 1996, 467, L73-L75.	4.5	28
116	The Vertical Distribution and Kinematics of H i and Mass Models of the Galactic Disk. <i>Astrophysical Journal</i> , 1995, 448, 138.	4.5	125
117	On graphite and the 2175 Å extinction profile. <i>Astrophysical Journal</i> , 1993, 414, 632.	4.5	173
118	APPLES: A Parallel Slitless Imaging Survey for ACS. , 0 , 471-472.		3