Elisabetta Venuti

List of Publications by Year
in descending order

114	3,894	136950	133252
papers	citations	32 h-index	59 g-index

116	116	116	3617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visualizing a SCSC [2 + 2] photodimerization through its lattice dynamics: an experimental and theoretical investigation. ChemPhysChem, 2022, , .	2.1	3
2	Electrosynthesis and characterization of Layered Double Hydroxides on different supports. Applied Clay Science, 2021, 202, 105949.	5.2	5
3	The impact of solid solution composition on kinetics and mechanism of [2 + 2] photodimerization of cinnamic acid derivatives. CrystEngComm, 2021, 23, 1352-1359.	2.6	5
4	Precursor polymorph determines the organic semiconductor structure formed upon annealing. Journal of Materials Chemistry C, 2021, 9, 10865-10874.	5.5	7
5	Growth, morphology and molecular orientation of controlled Indigo thin films on silica surfaces. Surfaces and Interfaces, 2021, 24, 101058.	3.0	6
6	Crystal alignment of surface stabilized polymorph in thioindigo films. Dyes and Pigments, 2020, 172, 107847.	3.7	9
7	Experimental Estimate of the Holstein Electronâ€“Phonon Coupling Constants in Perylene. Advanced Electronic Materials, 2020, 6, 2000208.	5.1	5
8	In Search of Surface-Induced Crystal Structures: The Case of Tyrian Purple. Journal of Physical Chemistry C, 2020, 124, 17702-17710.	3.1	3
9	(Perylene)3-(TCNQF1)2: Yet Another Member in the Series of Peryleneâ€“TCNQFx Polymorphic Charge Transfer Crystals. Crystals, 2020, 10, 177.	2.2	4
10	Electrochemical Approach for the Production of Layered Double Hydroxides with a Wellâ€Defined Co/Me^{III} Ratio. Chemistry - A European Journal, 2019, 25, 16301-16310.	3.3	7
11	Surface Induced Phenytoin Polymorph. 1. Full Structure Solution by Combining Grazing Incidence X-ray Diffraction and Crystal Structure Prediction. Crystal Growth and Design, 2019, 19, 6058-6066.	3.0	5
12	Surface Induced Phenytoin Polymorph. 2. Structure Validation by Comparing Experimental and Density Functional Theory Raman Spectra. Crystal Growth and Design, 2019, 19, 6067-6073.	3.0	1
13	Spectroscopic identification of quinacridone polymorphs for organic electronics. CrystEngComm, 2019, 21, 3702-3708.	2.6	13
14	Epitaxial relation of carbamazepine and its precursor template extracted from rotating grazing incidence X-ray diffraction. Thin Solid Films, 2019, 683, 67-73.	1.8	1
15	Solution equilibrium between two structures of Perylene-F2TCNQ charge transfer co-crystals. Journal of Crystal Growth, 2019, 516, 45-50.	1.5	7
16	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. Journal of Materials Chemistry A, 2019, 7, 11241-11249.	10.3	34
17	Substrateâ€Induced Phase of a Benzothiophene Derivative Detected by Midâ€Infrared and Lattice Phonon Raman Spectroscopy. ChemPhysChem, 2018, 19, 993-1000.	2.1	8
18	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. Journal of Materials Chemistry C, 2018, 6, 5601-5608.	5.5	21

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19	A synergic approach of X-ray powder diffraction and Raman spectroscopy for crystal structure determination of 2,3-thienoimide capped oligothiophenes. Physical Chemistry Chemical Physics, 2018, 20, 3630-3636.	2.8	10
20	Simulated Raman spectra of four tetraphenylbutadiene polymorphs. International Journal of Quantum Chemistry, 2018, 118, e25503.	2.0	2
21	An Alternative Strategy to Polymorph Recognition at Work: The Emblematic Case of Coronene. Crystal Growth and Design, 2018, 18, 4869-4873.	3.0	19
22	Structural, Spectroscopic, and Computational Characterization of the Concomitant Polymorphs of the Natural Semiconductor Indigo. Journal of Physical Chemistry C, 2018, 122, 18422-18431.	3.1	22
23	Toward a Reliable Description of the Lattice Vibrations in Organic Molecular Crystals: The Impact of van der Waals Interactions. Journal of Chemical Theory and Computation, 2018, 14, 4380-4390.	5.3	26
24	Bulk and Surface-Stabilized Structures of Paracetamol Revisited by Raman Confocal Microscopy. ACS Omega, 2018, 3, 9564-9571.	3.5	10
25	Photoluminescence as a probe of molecular organization in PDI8-CN2 ultra-thin films. Journal of Luminescence, 2017, 187, 403-409.	3.1	6
26	Crystal Structure of the 9-Anthraceneâ€“Carboxylic Acid Photochemical Dimer and Its Solvates by X-ray Diffraction and Raman Microscopy. Crystal Growth and Design, 2017, 17, 3361-3370.	3.0	14
27	DFT-Assisted Polymorph Identification from Lattice Raman Fingerprinting. Journal of Physical Chemistry Letters, 2017, 8, 3690-3695.	4.6	42
28	Fast identification of rubrene polymorphs by lattice phonon Raman microscopy. Solid State Sciences, 2017, 71, 146-151.	3.2	18
29	Solid-state photodimerization of 9-methyl-anthracene. Journal of Raman Spectroscopy, 2017, 48, 271-277.	2.5	11
30	Structure, Stoichiometry, and Charge Transfer in Cocrystals of Perylene with TCNQ-F_x. Crystal Growth and Design, 2016, 16, 3028-3036.	3.0	99
31	Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. Journal of Physical Chemistry C, 2016, 120, 1831-1840.	3.1	29
32	Micro Raman Investigation of the Photodimerization Reaction of 9-Cyanoanthracene in the Solid State. Journal of Physical Chemistry C, 2014, 118, 9628-9635.	3.1	27
33	Exploration of the polymorph landscape for 1,1,4,4-tetraphenyl-1,3-butadiene. CrystEngComm, 2014, 16, 8205-8213.	2.6	9
34	Raman investigation of polymorphism in 1,1,4,4â€tetraphenylâ€butadiene. Journal of Raman Spectroscopy, 2013, 44, 905-908.	2.5	11
35	Structure and dynamics of pentacene on SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: From monolayer to bulk structure. Physical Review B, 2012, 85, .	3.2	40
36	Crystal-to-Crystal Photoinduced Reaction of Dinitroanthracene to Anthraquinone. Journal of the American Chemical Society, 2012, 134, 17671-17679.	13.7	19

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37	Organic metalâ€“organic semiconductor blended contacts in single crystal field-effect transistors. Journal of Materials Chemistry, 2012, 22, 16011.	6.7	14
38	Phonon dynamics and electronâ€“phonon coupling in pristine picene. Physical Chemistry Chemical Physics, 2012, 14, 1694-1699.	2.8	19
39	Epitaxial Growth of Ï€-Stacked Perfluoropentacene on Graphene-Coated Quartz. ACS Nano, 2012, 6, 10874-10883.	14.6	108
40	Phase recognition by lattice phonon Raman spectra: The triclinic structure of the organic semiconductor dibenzo-tetrathiafulvalene. Chemical Physics Letters, 2012, 523, 74-77.	2.6	12
41	Structure and Morphology of PDI8â€CN2 for nâ€Type Thinâ€Film Transistors. Advanced Functional Materials, 2012, 22, 943-953.	14.9	50
42	Absorption, Photoluminescence, and Polarized Raman Spectra of a Fourfold Alkoxy-Substituted Phthalocyanine Liquid Crystal. Journal of Physical Chemistry C, 2011, 115, 12150-12157.	3.1	25
43	Towards crystal structure prediction of complex organic compounds â€“ a report on the fifth blind test. Acta Crystallographica Section B: Structural Science, 2011, 67, 535-551.	1.8	358
44	Interaction of charge carriers with lattice and molecular phonons in crystalline pentacene. Journal of Chemical Physics, 2011, 135, 084701.	3.0	44
45	Spectroscopic and Structural Characterization of Two Polymorphs of 1,1,4,4-Tetraphenyl-1,3-butadiene. Crystal Growth and Design, 2010, 10, 2752-2758.	3.0	21
46	DFT Investigation of Oligothiophenes on a Si(001) Surface. Journal of Physical Chemistry C, 2010, 114, 20068-20075.	3.1	6
47	Peierls and Holstein carrier-phonon coupling in crystalline rubrene. Physical Review B, 2010, 82, .	3.2	113
48	Polymorphism and Phonon Dynamics of Î±â€Quaterthiophene. ChemPhysChem, 2009, 10, 657-663.	2.1	20
49	Molecular Dynamics Simulations for a Pentacene Monolayer on Amorphous Silica. ChemPhysChem, 2009, 10, 1783-1788.	2.1	32
50	Influence of Intermolecular Vibrations on the Electronic Coupling in Organic Semiconductors: The Case of Anthracene and Perfluoropentacene. ChemPhysChem, 2009, 10, 2265-2273.	2.1	77
51	Significant progress in predicting the crystal structures of small organic molecules â€“ a report on the fourth blind test. Acta Crystallographica Section B: Structural Science, 2009, 65, 107-125.	1.8	371
52	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. CrystEngComm, 2008, 10, 1899.	2.6	62
53	Probing polymorphs of organic semiconductors by lattice phonon Raman microscopy. CrystEngComm, 2008, 10, 937.	2.6	103
54	Are Crystal Polymorphs Predictable? The Case of Sexithiophene. Journal of Physical Chemistry A, 2008, 112, 6715-6722.	2.5	16

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55	Polarized Raman Spectra of a Rubrene Single Crystal. Journal of Physical Chemistry C, 2008, 112, 17416-17422.	3.1	45
56	Do Computed Crystal Structures of Nonpolar Molecules Depend on the Electrostatic Interactions? The Case of Tetracene. Journal of Physical Chemistry A, 2008, 112, 1085-1089.	2.5	10
57	Direct evidence of overdamped Peierls-coupled modes in the temperature-induced phase transition in tetrathiafulvalene-chloranil. Physical Review B, 2008, 78, .	3.2	24
58	Inherent Structures of Crystalline Tetracene. Journal of Physical Chemistry A, 2006, 110, 10858-10862.	2.5	22
59	Polymorphs of Î±-sexithiophene probed by lattice phonon Raman microscopy. Chemical Physics, 2006, 328, 125-131.	1.9	26
60	Lattice dynamics of TTFâ€“CA across the neutralâ€“ionic transition. Chemical Physics, 2006, 325, 71-77.	1.9	20
61	Crystal structure of oligoacenes under high pressure. Physical Review B, 2006, 74, .	3.2	56
62	Characterization of Phase Purity in Organic Semiconductors by Lattice-Phonon Confocal Raman Mapping: Application to Pentacene. Advanced Materials, 2005, 17, 2549-2553.	21.0	67
63	A third blind test of crystal structure prediction. Acta Crystallographica Section B: Structural Science, 2005, 61, 511-527.	1.8	373
64	High-Pressure Dissociation of Crystallinepara-Diiodobenzene:Â Optical Experiments and Carâ'Parrinello Calculations. Journal of the American Chemical Society, 2005, 127, 3038-3043.	13.7	16
65	Organic Semiconductors: Polymorphism, Phonon Dynamics and Carrier-Phonon Coupling in Pentacene. Molecular Crystals and Liquid Crystals, 2004, 416, 145-154.	0.9	23
66	Exploring the polymorphism of crystalline pentacene. Organic Electronics, 2004, 5, 1-6.	2.6	33
67	Intramolecular and Low-Frequency Intermolecular Vibrations of Pentacene Polymorphs as a Function of Temperature. Journal of Physical Chemistry B, 2004, 108, 1822-1826.	2.6	53
68	Phonons and structures of tetracene polymorphs at low temperature and high pressure. Physical Review B, 2004, 70, .	3.2	75
69	Lattice dynamics and electron-phonon coupling in pentacene crystal structures. Macromolecular Symposia, 2004, 212, 375-380.	0.7	9
70	Pressure-induced phase transition in pentacene. Chemical Physics Letters, 2003, 375, 490-494.	2.6	55
71	PENTACENE AT HIGH PRESSURE. High Pressure Research, 2003, 23, 349-354.	1.2	19
72	Organic superconductors: How can we increase the critical temperature?. Synthetic Metals, 2003, 137, 1273-1274.	3.9	0

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73	Inherent structures of crystalline pentacene. Journal of Chemical Physics, 2003, 118, 807-815.	3.0	62
74	BEDT-TTF organic superconductors: The role of phonons. Physical Review B, 2002, 66, .	3.2	30
75	The Effect of Pressure on Vibrational Spectra of the Chiral Coordination Compound Ni[(R,R)bdtp] 2. High Pressure Research, 2002, 22, 99-103.	1.2	0
76	Probing Pentacene Polymorphs by Lattice Dynamics Calculations. Journal of the American Chemical Society, 2002, 124, 2128-2129.	13.7	57
77	Temperature evolution of pentacene crystal structure and phonon dynamics. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	7
78	Raman phonon spectra of pentacene polymorphs. Chemical Physics Letters, 2002, 357, 32-36.	2.6	77
79	Temperature dependence of structure and phonons of Î±- and Î²-TTF crystals. Physical Chemistry Chemical Physics, 2001, 3, 4170-4175.	2.8	4
80	Coupling between lattice and intramolecular modes in 9,10-dimethylanthracene: Raman spectra under pressure and quasi-harmonic lattice dynamics calculations. Chemical Physics, 2001, 273, 197-206.	1.9	5
81	Coupling between intramolecular and lattice vibrations in solid para-diiodobenzene. Chemical Physics Letters, 2000, 325, 599-604.	2.6	5
82	Lattice dynamics and electron-phonon coupling in theÎ²â^'(BEDTâ^'TTF)2I3organic superconductor. Physical Review B, 2000, 62, 14476-14486.	3.2	33
83	Electronâ€“phonon coupling in BEDT-TTF (ET) superconductors. Synthetic Metals, 2000, 109, 13-17.	3.9	6
84	High-Pressure Raman Spectra ofp-Diiodobenzene. Journal of Physical Chemistry A, 2000, 104, 11070-11074.	2.5	1
85	A scaling approximation for structure factors in the integral equation theory of polydisperse nonionic colloidal fluids. Journal of Chemical Physics, 1999, 111, 7636-7645.	3.0	26
86	High dimensional anharmonic potential energy surfaces: The case of methane. Journal of Chemical Physics, 1999, 110, 7339-7347.	3.0	58
87	The vibrational energy pattern in acetylene. V. 13C2H2. Journal of Chemical Physics, 1999, 111, 1008-1016.	3.0	37
88	Molecular anharmonicity: A computer-aided treatment. Journal of Computational Chemistry, 1999, 20, 1716-1730.	3.3	5
89	Quasiharmonic lattice-dynamics and molecular-dynamics calculations for the Lennard-Jones solids. Physical Review B, 1998, 58, 206-212.	3.2	33
90	Intermolecular phonons in BEDT-TTF crystals. Synthetic Metals, 1997, 85, 1561-1562.	3.9	3

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91	Stark and Frequency Measurements in the FIR Spectrum of H2O2. Journal of Molecular Spectroscopy, 1996, 177, 115-123.	1.2	15
92	Quasi harmonic lattice dynamics: the phase diagram of benzene. Chemical Physics, 1996, 202, 231-241.	1.9	33
93	High-pressure densification of silica glass: A molecular-dynamics simulation. Physical Review B, 1996, 54, 3809-3816.	3.2	78
94	Vibration-Rotation Spectra of 13C-Containing Acetylene: The Stretching Fundamentals. Journal of Molecular Spectroscopy, 1995, 169, 148-153.	1.2	7
95	Raman phonon spectra and lattice dynamics of 7-methoxycoumarin under pressure. Chemical Physics Letters, 1995, 246, 619-625.	2.6	1
96	Pressure-induced phase transitions in 9,10-anthracene derivatives: anthraquinone. Chemical Physics, 1995, 191, 177-184.	1.9	21
97	Vibration-rotation spectra of 13C containing acetylene: anharmonic resonances. Chemical Physics, 1995, 190, 279-290.	1.9	15
98	Pressure and temperature effects in lattice dynamics: the case of naphthalene. Chemical Physics, 1995, 198, 79-89.	1.9	31
99	Vibration-Rotation Spectra of 13C-Containing Acetylene: The Î½1/Î½2 + 2Î½5 Fermi Dyad. Journal of Molecular Spectroscopy, 1994, 164, 219-232.	1.2	23
100	The effect of pressure on the photodimerization of 7-methoxycoumarin crystal. Chemical Physics Letters, 1994, 218, 568-573.	2.6	6
101	A molecular dynamics study of the vibrational properties of silica glass. Chemical Physics, 1994, 179, 411-419.	1.9	40
102	Vibration-Rotation Spectra of 13C Containing Acetylene. Journal of Molecular Spectroscopy, 1993, 161, 466-486.	1.2	42
103	The phototransformation process in phytochrome. I. Ultrafast fluorescence component and kinetic models for the initial Pr â†' Pfr transformation steps in native phytochrome. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1140, 59-68.	1.0	50
104	An intra-molecular potential for S8. Journal of Molecular Structure, 1992, 266, 229-234.	3.6	4
105	A molecular dynamics simulation of crystalline S8. Chemical Physics, 1992, 165, 313-322.	1.9	15
106	Calculation of Duschinsky effect in phenol. Journal of Molecular Structure, 1992, 266, 235-239.	3.6	7
107	Photophysical properties of methylated phenols in nonpolar solvents. The Journal of Physical Chemistry, 1990, 94, 3609-3613.	2.9	50
108	Mechanisms of deactivation of the low-lying electronic states of 2,2'-bipyridine. The Journal of Physical Chemistry, 1990, 94, 1740-1745.	2.9	35

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109	A spectroscopic investigation of the temperature and solvent sensitivities of resorufin. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 1935.	1.1	30
110	Vibronic activity in the two-photon spectrum of pyrimidine. Journal of Molecular Structure, 1988, 175, 153-158.	3.6	0
111	Theoretical studies on the two-photon vibronic spectra of azines: Pyridine, pyrazine and pyrimidine. Chemical Physics, 1988, 125, 1-9.	1.9	4
112	Solvation dynamics in methanol and n-butanol. Comparison between temperature-dependent fluorescence and dielectric data. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 1747.	1.1	0
113	Bulk and Surfaceâ€Mediated Polymorphs of Bioâ€Inspired Dyes Organic Semiconductors: The Role of Lattice Phonons in their Investigation. Israel Journal of Chemistry, 0, , .	2.3	2
114	Engineering Plastic Phase Transitions via Solid Solutions: The Case of â€œReordering Frustrationâ€•in Ionic Plastic Crystals of Hydroxyquinuclidinium Salts. Molecular Systems Design and Engineering, 0, , .	3.4	1