

# Viktor Palm

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/433793/publications.pdf>

Version: 2024-02-01

33  
papers

541  
citations

933447

10  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Probing of Single Molecules of Terrylene in a Shpol'kii Matrix: A Two-State Single-Molecule Switch. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7382-7389.	2.9	162
2	Single molecule spectroscopy: maximum emission rate and saturation intensity. <i>Optics Communications</i> , 1995, 114, 83-88.	2.1	90
3	Interferometric Signatures of Single Molecules. <i>Physical Review Letters</i> , 2001, 87, .	7.8	50
4	Temperature broadening of a photochemical hole in the spectrum of H <sub>2</sub> -octaethylporphin in polystyrene between 0.05 and 1.5 k. <i>Chemical Physics Letters</i> , 1986, 125, 355-359.	2.6	34
5	Transformation of soft localized modes in glasses under pressure. <i>Physical Review B</i> , 2000, 62, 11296-11299.	3.2	25
6	Optical pulse shaping by filters based on spectral hole burning. <i>Optics Communications</i> , 1989, 71, 377-380.	2.1	21
7	Line width study in fluorescence excitation spectra of single pentacene molecules introduced as impurities in p-terphenyl crystal. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2219-2221.	2.9	21
8	Zero-phonon lines of single molecules in polyethylene down to millikelvin temperatures. <i>Journal of Luminescence</i> , 2000, 87-89, 109-114.	3.1	20
9	Resonance fluorescence of the impurity in an amorphous polymer measured using an optical filter based on spectral hole burning. <i>Chemical Physics Letters</i> , 1988, 153, 328-331.	2.6	12
10	Saturation spectroscopy of vibronic transitions in single molecules. <i>Chemical Physics Letters</i> , 2002, 357, 397-402.	2.6	11
11	Hole burning and single-molecule spectroscopy of terrylene in incommensurate biphenyl. <i>Journal of Luminescence</i> , 2004, 107, 57-61.	3.1	10
12	Spectral hole burning and uniaxial stress study of radiation-induced defects in diamond. <i>Journal of Applied Physics</i> , 1996, 79, 8290-8293.	2.5	8
13	Single-molecule linewidths of terrylene in incommensurate biphenyl: Thermocycling and time-resolved experiments. <i>Journal of Luminescence</i> , 2007, 127, 218-223.	3.1	8
14	Single molecule spectroscopy of terrylene in n-alkane mixtures. <i>Chemical Physics Letters</i> , 1998, 283, 345-349.	2.6	7
15	Compact simplified design of optical cell for single-molecule spectroscopy. <i>Review of Scientific Instruments</i> , 1999, 70, 2957-2959.	1.3	7
16	Peculiarities of SHB in the 637nm line of N <sup>+</sup> V defects in CVD-grown diamond films. <i>Journal of Luminescence</i> , 2000, 86, 349-353.	3.1	7
17	On the role of spectral diffusion in single-molecule spectroscopy. <i>Journal of Luminescence</i> , 2000, 86, 207-209.	3.1	6
18	Single Molecule Spectroscopy: Terrylene in the Polymorphic Matrix Benzophenone. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 283, 137-142.	0.3	5

#	ARTICLE	IF	CITATIONS
19	High pressure narrowing of zero-phonon lines in polymer glasses at different temperatures. Journal of Luminescence, 1997, 72-74, 415-416.	3.1	5
20	Mesoscopic effect of spectral modulation for the light transmitted by a SNOM tip. Optics Communications, 2010, 283, 2457-2460.	2.1	5
21	Vortex light beams in a degenerate two-crystal cascade conical refraction. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Over 2.2	2.2	5
22	Optical study of terrylene molecules in crystalline biphenyl: effects of pressure and temperature on the luminescence spectra. High Pressure Research, 2006, 26, 361-367.	1.2	4
23	<title>Terrylene-doped biphenyl monocrystals for optical single-molecule spectroscopy</title> . , 2006, 6029, 390.		4
24	Single-molecule probing of incommensurate biphenyl. Low Temperature Physics, 2010, 36, 448-450.	0.6	3
25	Conically refracted Gaussian beam transformed by a lens. Journal of Modern Optics, 2020, 67, 252-260.	1.3	3
26	On the role of spectral diffusion in single-molecule spectroscopy. Physics of the Solid State, 2000, 42, 477-480.	0.6	2
27	Selective spectroscopy of terrylene in incommensurate matrix of biphenyl. Journal of Luminescence, 2007, 122-123, 241-243.	3.1	2
28	M <sup>2</sup> factor of conically refracted Gaussian beams. Journal of Modern Optics, 2022, 69, 24-33.	1.3	2
29	Room-temperature single-molecule fluorescence imaging for terrylene in biphenyl single crystals. Journal of Luminescence, 2008, 128, 838-841.	3.1	1
30	Modal dispersion due to photonâ€“plasmon coupling in a SNOM tip. Optics Communications, 2012, 285, 4579-4582.	2.1	1
31	H <sub>2</sub> -Octaethylporphin in Amorphous Polystyrene Matrix: Spectral Hole Burning and Spectral Diffusion. Molecular Crystals and Liquid Crystals, 1992, 217, 113-118.	0.3	0
32	Excitation of surface plasmons in Al-coated SNOM tips. Proceedings of SPIE, 2012, , .	0.8	0
33	Transient spectral hole burning observed on the single-molecule level in terrylene-doped biphenyl. Journal of Luminescence, 2014, 152, 121-124.	3.1	0