Uwe Posset

List of Publications by Year
in descending order

39 papers	932 citations	361413 20 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	890 citing authors

#	Article	IF	Citations
1	New Rollâ€toâ€Roll Processable PEDOTâ€Based Polymer with Colorless Bleached State for Flexible Electrochromic Devices. Advanced Functional Materials, 2020, 30, 1906254.	14.9	68
2	Stateâ€ofâ€theâ€Art Neutral Tint Multichromophoric Polymers for Highâ€Contrast Seeâ€Through Electrochromic Devices. Advanced Functional Materials, 2016, 26, 5240-5246.	14.9	63
3	(Hydrosilyl)tungsten complexes of the type (C5Me5)(OC)2(Me3P)W-SiR3 (SiR3 = SiH3, SiH2Me, SiHMe2,) Tj ETQq1 1 0.784314 rgBT /O 1993, 32, 303-309.	4.0	60
4	Confocal Micro-Raman Spectroscopy: Theory and Application to a Hybrid Polymer Coating. Applied Spectroscopy, 2002, 56, 536-540.	2.2	60
5	A study of the effect of pyridine linkers on the viscosity and electrochromic properties of metallo-supramolecular coordination polymers. Journal of Materials Chemistry C, 2018, 6, 3310-3321.	5.5	51
6	Confocal Raman investigations on hybrid polymer coatings. Vibrational Spectroscopy, 2002, 29, 245-249.	2.2	46
7	Li4Ti5O12 and LiMn2O4 thin-film electrodes on transparent conducting oxides for all-solid-state and electrochromic applications. Journal of Power Sources, 2016, 301, 35-40.	7.8	44
8	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 369-373.	2.4	41
9	Polarized Raman Spectra from Some Sol-Gel Precursors and Micro-Raman Study of One Selected Copolymer. Applied Spectroscopy, 1993, 47, 1600-1603.	2.2	40
10	Synthesis and Reactivity of Silicon Transition Metal Complexes, 34. Pentachlordisilanylâ€•und Disilanylâ€Komplexe von MolybdÃn und Wolfram: Darstellung, Struktur und spektroskopische Charakterisierung. Chemische Berichte, 1995, 128, 1109-1115.	0.2	36
11	Plastic electrochromic devices based on viologen-modified TiO2 films prepared at low temperature. Solar Energy Materials and Solar Cells, 2016, 157, 624-635.	6.2	34
12	Largeâ€Area Electrochromic Devices on Flexible Polymer Substrates with High Optical Contrast and Enhanced Cycling Stability. Advanced Materials Technologies, 2021, 6, 2000836.	5.8	30
13	Synthesis and reactivity of silicon transition metal complexes. Part 27. Metallotrihydridosilanes of molybdenum and tungsten: synthesis, characterization, and vibrational studies of (C5R5)(OC)2(Me3P)M-SiH3 (M = Mo, W; R = H, Me). Organometallics, 1995, 14, 5622-5627.	2.3	27
14	Mechanistic study of the redox process of an in situ oxidatively polymerised poly(3,4-ethylene-dioxythiophene) film. Solar Energy Materials and Solar Cells, 2008, 92, 140-145.	6.2	27
15	Avoiding Voltage-Induced Degradation in PET-ITO-Based Flexible Electrochromic Devices. ACS Applied Materials & Interfaces, 2020, 12, 36695-36705.	8.0	26
16	Electrochromic devices based on in situ polymerised EDOT and Prussian Blue: influence of transparent conducting oxide and electrolyte compositionâ€"towards up-scaling. New Journal of Chemistry, 2011, 35, 2314.	2.8	25
17	Solâ€"gel vanadium oxide thin films for a flexible electronically conductive polymeric substrate. Solar Energy Materials and Solar Cells, 2012, 99, 62-72.	6.2	25
18	Electrochromic metallo-supramolecular polymers showing visible and near-infrared light transmittance modulation. Solar Energy Materials and Solar Cells, 2019, 200, 110001.	6.2	24

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19	In operando XAFS experiments on flexible electrochromic devices based on Fe(II)-metallo-supramolecular polyelectrolytes and vanadium oxide. Solar Energy Materials and Solar Cells, 2016, 147, 61-67.	6.2	22
20	Structureâ€“property correlations in hybrid solâ€“gel coatings as revealed by Raman spectroscopy. Optical Materials, 2004, 26, 173-179.	3.6	20
21	Environmental assessment of electrically controlled variable light transmittance devices. RSC Advances, 2012, 2, 5990.	3.6	14
22	Chemically fabricated LiFePO4 thin film electrode for transparent batteries and electrochromic devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 214, 81-86.	3.5	11
23	Metallopolymers and non-stoichiometric nickel oxide: Towards neutral tint large-area electrochromic devices. Solar Energy Materials and Solar Cells, 2019, 200, 110002.	6.2	10
24	The influence of aluminum trichloride on a configuratively labile lactone-bridged biaryl: quantum chemical calculations and optical spectroscopy. Inorganica Chimica Acta, 1994, 222, 247-253.	2.4	9
25	Raman spectra of ditertiary phosphines Ph2P-(CH2)n-PPh2 (n = 1â€“4) and coordination shifts in (CO)4Mo[Ph2P-(CH2)n-PPh2] (n = 1, 2). Vibrational Spectroscopy, 1994, 7, 49-60.	2.2	8
26	Redox Electrolytes for Hybrid Type II Electrochromic Devices with Feâˆ’MEPE or Ni 1âˆ’ x O as Electrode Materials. ChemElectroChem, 2020, 7, 3274-3283.	3.4	8
27	Mixed metal oxides as optically-passive ion storage layers in electrochromic devices based on metallopolymers. Solar Energy Materials and Solar Cells, 2021, 223, 110950.	6.2	8
28	Raman spectra and group theoretical treatment of polycrystalline (dppm)Mo(CO)4 and (dppe)Mo(CO)4. Vibrational Spectroscopy, 1992, 3, 47-53.	2.2	7
29	Normal coordinate analysis of MSiH3 moieties in transition metal complexes and comparison to results obtained for silyl halides. Vibrational Spectroscopy, 1996, 10, 161-167.	2.2	7
30	Interpretation of high resolution low-temperature Î½(CO) Raman spectra of polycrystalline chelate-substituted transition metal carbonyls. Journal of Molecular Structure, 1995, 349, 427-430.	3.6	6
31	Structural and electronic influence of aluminum trichloride on a benzonaphthopyranone. Journal of Molecular Structure, 1995, 349, 431-434.	3.6	5
32	FT-Raman Spectroscopic Investigations of Titanium Alkoxides with Polymerizable Organic Ligands. Applied Spectroscopy, 2000, 54, 390-395.	2.2	5
33	Influence of xerogel matrices and co-ligands on luminescence parameters in materials with an europium(III) cryptate. Journal of Non-Crystalline Solids, 2005, 351, 2047-2056.	3.1	5
34	Electrochromic Polymer Ink Derived from a Sidechainâ€Modified EDOT for Electrochromic Devices with Colorless Bright State. ChemElectroChem, 2021, 8, 726-734.	3.4	4
35	Charge balancing and optical contrast optimization in Fe-MEPE/Ni1-xO electrochromic devices containing a Li reference electrode. Solar Energy Materials and Solar Cells, 2021, 227, 111080.	6.2	3
36	Normal Coordinate Analysis of M-CH₃-Moieties in Transition Metal Complexes and Comparison to Results Obtained for Methylhalides. Spectroscopy Letters, 1995, 28, 1075-1083.	1.0	2

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37	Raman Spectra and Intermolecular Vibrational Coupling Behaviour of Binary Mixed Crystals of (dppm)M(CO)4 Complexes (M=Cr, Mo, W). Journal of Raman Spectroscopy, 1996, 27, 419-423.	2.5	2
38	Organic Electrochromic Polymers: State-of-the-Art Neutral Tint Multichromophoric Polymers for High-Contrast See-Through Electrochromic Devices (Adv. Funct. Mater. 29/2016). Advanced Functional Materials, 2016, 26, 5239-5239.	14.9	2
39	Oneâ€Step Preparation of Viologenâ€TiO₂ Nanoparticles via a Hydrothermally Assisted Solâ€“Gel Process for Use in Electrochromic Films and Devices. Particle and Particle Systems Characterization, 2018, 35, 1800142.	2.3	2