Pavel MatÄ›jka

List of Publications by Year
in descending order

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147 papers	3,101 citations	201674 27 h-index	197818 49 g-index
149 all docs	149 docs citations	149 times ranked	4143 citing authors

#	Article	IF	Citations
1	Fourier transform Raman and infrared spectroscopy of pectins. Carbohydrate Polymers, 2003, 54, 97-106.	10.2	484
2	Brightly Luminescent Organically Capped Silicon Nanocrystals Fabricated at Room Temperature and Atmospheric Pressure. ACS Nano, 2010, 4, 4495-4504.	14.6	161
3	The role of triton X-100 as an adsorbate and a molecular spacer on the surface of silver colloid: a surface-enhanced Raman scattering study. The Journal of Physical Chemistry, 1992, 96, 1361-1366.	2.9	126
4	Structural and conductivity changes during the pyrolysis of polyaniline base. Polymer Degradation and Stability, 2006, 91, 114-121.	5.8	124
5	Application of gold nanoparticles in separation sciences. Journal of Separation Science, 2010, 33, 372-387.	2.5	118
6	Surface-enhanced resonance Raman spectra of free base 5,10,15,20-tetrakis(4-carboxyphenyl)porphyrin and its silver complex in systems with silver colloid: direct adsorption in comparison to adsorption via molecular spacer. The Journal of Physical Chemistry, 1993, 97, 9719-9729.	2.9	83
7	Noise reduction in Raman spectra: Finite impulse response filtrationversusSavitzky-Golay smoothing. Journal of Raman Spectroscopy, 2007, 38, 1174-1179.	2.5	78
8	Comparison of SERS effectiveness of copper substrates prepared by different methods: what are the values of enhancement factors?. Journal of Raman Spectroscopy, 2012, 43, 181-186.	2.5	60
9	Synthesis and Characterization of a Heliceneâ€Based Imidazolium Salt and Its Application in Organic Molecular Electronics. Chemistry - A European Journal, 2015, 21, 2343-2347.	3.3	58
10	Vibrational circular dichroism of tetraphenylporphyrin in peptide complexes? A computational study. , 2000, 12, 191-198.		51
11	Surface-Enhanced Raman Scattering and Surface-Enhanced Resonance Raman Scattering Excitation Profiles of Ag-2,2â€˜-Bipyridine Surface Complexes and of [Ru(bpy)3]2+ on Ag Colloidal Surfaces: Manifestations of the Charge-Transfer Resonance Contributions to the Overall Surface Enhancement of Raman Scattering. Inorganic Chemistry, 2000, 39, 3551-3559.	4.0	51
12	The use of infrared spectroscopic techniques to characterize nanomaterials and nanostructures: A review. Analytica Chimica Acta, 2018, 1031, 1-14.	5.4	51
13	Characterization of copper SERS-active substrates prepared by electrochemical deposition. Applied Surface Science, 2009, 255, 7864-7870.	6.1	44
14	A fundamental study of the physicochemical properties of RhodiasolvÂ®Polarclean: A promising alternative to common and hazardous solvents. Journal of Molecular Liquids, 2016, 224, 1163-1171.	4.9	44
15	Citrate selectivity of poly(neutral red) electropolymerized films. Analytica Chimica Acta, 2004, 511, 197-205.	5.4	42
16	Effects of Endo- and Ectomycorrhizal Fungi on Physiological Parameters and Heavy Metals Accumulation of Two Species from the Family Salicaceae. Water, Air, and Soil Pollution, 2012, 223, 399-410.	2.4	40
17	SERS and in situ SERS spectroscopy of riboflavin adsorbed on silver, gold and copper substrates. Elucidation of variability of surface orientation based on both experimental and theoretical approach. Journal of Molecular Structure, 2013, 1038, 19-28.	3.6	39
18	Influence of specific growth limitation on biosorption of heavy metals by Saccharomyces cerevisiae. International Biodeterioration and Biodegradation, 2004, 54, 203-207.	3.9	37

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19	Surface-Enhanced Raman Scattering (SERS) Spectroscopy with Borohydride-Reduced Silver Colloids: Controlling Adsorption of the Scattering Species by Surface Potential of Silver Colloid. Collection of Czechoslovak Chemical Communications, 1993, 58, 2682-2694.	1.0	34
20	In Situ SERS Study of Azobenzene Derivative Formation from 4-Aminobenzenethiol on Gold, Silver, and Copper Nanostructured Surfaces: What Is the Role of Applied Potential and Used Metal?. Journal of Physical Chemistry C, 2013, 117, 21245-21253.	3.1	34
21	SERS study of riboflavin on green-synthesized silver nanoparticles prepared by reduction using different flavonoids: What is the role of flavonoid used?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 236-245.	3.9	33
22	Intercalation of Water into Anhydrous Vanadyl Phosphate Studied by the Infrared and Raman Spectroscopies. Journal of Solid State Chemistry, 1999, 148, 197-204.	2.9	31
23	Characterization and cytocompatibility of carbon layers prepared by photo-induced chemical vapor deposition. Thin Solid Films, 2007, 515, 6765-6772.	1.8	30
24	Potentiometric anion response of poly(5,15-bis(2-aminophenyl)porphyrin) electropolymerized electrodes. Analytica Chimica Acta, 1999, 381, 197-205.	5.4	29
25	Solvent Dependence of theN-Methylacetamide Structure and Force Field. Journal of Physical Chemistry A, 2009, 113, 9727-9736.	2.5	29
26	N-octadecylpectinamide, a hydrophobic sorbent based on modification of highly methoxylated citrus pectin. Carbohydrate Polymers, 2004, 56, 169-179.	10.2	28
27	Oscillatory Reactions Involving Hydrogen Peroxide and ThiosulfateKinetics of the Oxidation of Tetrathionate by Hydrogen Peroxide. Inorganic Chemistry, 2006, 45, 2824-2834.	4.0	27
28	Surface-enhanced vibrational spectroscopy of B vitamins: what is the effect of SERS-active metals used?. Analytical and Bioanalytical Chemistry, 2012, 403, 985-993.	3.7	27
29	Optimization of the thickness of a conducting polymer, polyaniline, deposited on the surface of poly(vinyl chloride) membranes: A new way to improve their potentiometric response. Analytica Chimica Acta, 2008, 624, 238-246.	5.4	26
30	Resolution of Organic Polymorphic Crystals by Raman Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 7297-7307.	2.6	25
31	Immobilization of helicene onto carbon substrates through electropolymerization of [7]helicenyl-thiophene. RSC Advances, 2014, 4, 46102-46105.	3.6	25
32	NafionÂ® modified with primary amines: chemical structure, sorption properties and pervaporative separation of methanol-dimethyl carbonate mixtures. European Polymer Journal, 2018, 99, 268-276.	5.4	25
33	Near-Infrared Surface-Enhanced Raman Scattering Spectra of Heterocyclic and Aromatic Species Adsorbed on TLC Plates Activated with Silver. Applied Spectroscopy, 1996, 50, 409-414.	2.2	24
34	Cyclodextrin modified gold nanoparticles-based open-tubular capillary electrochromatographic separations of polyaromatic hydrocarbons. Journal of Nanoparticle Research, 2011, 13, 5947-5957.	1.9	24
35	Preparation of SERSâ€active substrates with large surface area for Raman spectral mapping and testing of their surface nanostructure. Surface and Interface Analysis, 2008, 40, 601-607.	1.8	23
36	Formation of Porphyrin- and Sapphyrin-Containing Monolayers on Electrochemically Prepared Gold Substrates:Â A FT Raman Spectroscopic Study. Langmuir, 2002, 18, 6896-6906.	3.5	22

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37	Electrochemical oxidative polymerization of sodium 4-amino-3-hydroxynaphthalene-1-sulfonate and structural characterization of polymeric products. Reactive and Functional Polymers, 2006, 66, 1670-1683.	4.1	21
38	Polypyrrole thin films for gas sensors prepared by Matrix-Assisted Pulsed Laser Evaporation technology: Effect of deposition parameters on material properties. Thin Solid Films, 2009, 517, 2083-2087.	1.8	21
39	The chemometric analysis of UVâ€“visible spectra as a new approach to the study of the NaCl influence on aggregation of cysteine-capped gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 364, 94-98.	4.7	21
40	Polymerization of 4-(ferrocenylethynyl)phenylacetylene with transition metal catalysts. Macromolecular Chemistry and Physics, 1999, 200, 972-976.	2.2	20
41	Vapor pressures and thermophysical properties of selected hexenols and recommended vapor pressure for hexan-1-ol. Fluid Phase Equilibria, 2015, 402, 18-29.	2.5	20
42	Water/Ethanol Displacement Reactions in Vanadyl Phosphate. European Journal of Inorganic Chemistry, 1999, 1999, 2289-2294.	2.0	19
43	Novel porphyrin based receptors for saccharide recognition in water. Sensors and Actuators B: Chemical, 2001, 76, 366-372.	7.8	19
44	Comparative Study of Polymerization of 2-, 3- and 4-Iodophenylacetylenes with Rh-, Mo- and W-Based Catalysts. Collection of Czechoslovak Chemical Communications, 1998, 63, 1815-1838.	1.0	19
45	Surface-enhanced Raman spectra of 5,10,15,20-tetrakis(4-carboxyphenyl)porphyrin/silver colloid system: what information about the porphyrin do we obtain?. Inorganic Chemistry, 1991, 30, 4103-4105.	4.0	18
46	Raman spectral detection and assessment of thin organic layers on metal substrates: systematic approach from substrate preparation to map evaluation. Journal of Raman Spectroscopy, 2008, 39, 515-524.	2.5	18
47	Interaction of soil filamentous fungi affects needle composition and nutrition of Norway spruce seedlings. Trees - Structure and Function, 2009, 23, 887-897.	1.9	18
48	Synthesis and Characterization of Vanadyl Phosphate Intercalated with Dioxane, Trioxane, and 18-Crown-6. Chemistry of Materials, 2002, 14, 2788-2795.	6.7	17
49	The complexation of metal cations by d-galacturonic acid: a spectroscopic study. Carbohydrate Research, 2004, 339, 2391-2405.	2.3	17
50	A New Bis-TrÃ¶ger's Base: Synthesis, Spectroscopy, Crystal Structure and Isomerization. Collection of Czechoslovak Chemical Communications, 2006, 71, 1278-1302.	1.0	16
51	Modeling of a TrÃ¶gerâ€™s tweezer and its complexation properties. Journal of Molecular Structure, 2009, 934, 117-122.	3.6	16
52	Spectroscopic study of SERS- and SEIRA-activity of copper large-scaled surface substrates prepared by electrochemical deposition: What is the role of oxidationâ€“reduction cycle treatment?. Journal of Molecular Structure, 2011, 993, 410-419.	3.6	16
53	Spectrometric determination of l-cysteine and its enantiomeric purity using silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 961-966.	4.7	16
54	Spectroscopic studies of folic acid adsorbed on various metal substrates: does the type of substrate play an essential role in temperature dependence of spectral features?. Journal of Raman Spectroscopy, 2014, 45, 750-757.	2.5	16

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55	Unraveling the influence of substrate on the growth rate, morphology and covalent structure of surface adherent polydopamine films. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111897.	5.0	16
56	Surface-Enhanced Raman Scattering Spectroscopy of Organometallics in Systems with Aqueous Silver Colloids. Inorganic Chemistry, 1994, 33, 2132-2136.	4.0	15
57	Polymerization of nitrophenyl propargyl ethers with transition metal catalysts and characterization of polymers. Polymer, 1998, 39, 4443-4447.	3.8	15
58	Study of Hostâ€“Guest Interactions in Intercalate Zr(HPO4)2Â·2CH3CH2OH using a Combination of Vibration Spectroscopy and Molecular Simulations. Journal of Solid State Chemistry, 1999, 145, 1-9.	2.9	15
59	Structure and composition of zirconium oxide films formed in high pressure water with different Li+ concentration at 360Â°C. Materials Chemistry and Physics, 2000, 63, 1-8.	4.0	15
60	In situ SERS spectroelectrochemical analysis of antioxidants deposited on copper substrates: What is the effect of applied potential on sorption behavior?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 99, 196-204.	3.9	15
61	Intercalation of Cyclic Ethers into Vanadyl Phosphate. Chemistry - A European Journal, 2002, 8, 1703-1709.	3.3	14
62	The isomers and conformers of some pushâ€“pull enamines studied by vibrational and NMR spectroscopy and by ab initio calculations. Journal of Molecular Structure, 2005, 744-747, 315-324.	3.6	14
63	Vibrational biospectroscopy: what can we say about the surface wax layer of Norway spruce needles?. Journal of Molecular Structure, 2001, 565-566, 305-310.	3.6	13
64	Biodistribution Assessment of a Lutetium(III) Texaphyrin Analogue in Tumor-bearing Mice Using NIR Fourier-transform Raman SpectroscopyÂ¶. Photochemistry and Photobiology, 2004, 79, 453.	2.5	13
65	Solid-phase synthesis of head and tail bis-acridinylated peptides. Tetrahedron Letters, 2004, 45, 1203-1205.	1.4	13
66	Explanation of Surface-Enhanced Raman Scattering Intensities of p-Aminobenzenethiol by Density Functional Computations. Journal of Physical Chemistry C, 2016, 120, 18275-18280.	3.1	13
67	Vibrational analysis and conformational study of 3-dimethylamino-2-acetyl propenenitrile and 3-dimethylamino-2-methylsulfonyl propenenitrile. Journal of Molecular Structure, 2006, 785, 85-97.	3.6	12
68	Surface-Enhanced Infrared Spectra of Nicotinic Acid and Pyridoxine on Copper Substrates: What Is the Effect of Temperature and Deposition Conditions?. Journal of Physical Chemistry C, 2015, 119, 26526-26539.	3.1	12
69	Electrochemical Detection of Sialic Acid Using Phenylboronic Acidâ€modified Poly(Diaminobenzoic) Tj ETQq1 1 0.784314 rgBT /Overl	2.9	12
70	Cobaltacarboranylacetylene 8,8'-(Î¼-CHC-CH2S)-(1,2-C2B9H10)2-3-Co(III): Synthesis, Characterization and Polymerization of New Substituted Acetylene. Collection of Czechoslovak Chemical Communications, 1996, 61, 877-887.	1.0	11
71	Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Analytica Chimica Acta, 2001, 437, 39-53.	5.4	11
72	Open-tubular electrochromatography of organic phosphates on a sapphyrin-modified capillary. Journal of Chromatography A, 2001, 921, 99-107.	3.7	11

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73	Immobilized metallacarborane as a new type of stationary phase for high performance liquid chromatography. Journal of Chromatography A, 2011, 1218, 3029-3036.	3.7	11
74	Role of TiO₂ Nanoparticles and UV Irradiation in the Enhancement of SERS Spectra To Improve Levamisole and Cocaine Detection on Au Substrates. Langmuir, 2019, 35, 4540-4547.	3.5	11
75	Mineralogical investigations of experimentally shocked dolomite: Implications for the outgassing of carbonates. , 2002, , .		11
76	Preparation, characterization and analytical application of electropolymerized films. Solid State Ionics, 2002, 154-155, 57-63.	2.7	10
77	Gel stabilization in chelate solâ€“gel preparation of Bi-2223 superconductors. Journal of Physics and Chemistry of Solids, 2012, 73, 448-453.	4.0	10
78	Synthesis and deposition of a TrÃ¶gerâ€™s base polymer on the electrode surface for potentiometric detection of a neuroblastoma tumor marker metabolite. Chemical Communications, 2016, 52, 11991-11994.	4.1	10
79	The influence of different acquisition settings and the focus adjustment on Raman spectral maps of pharmaceutical tablets. Journal of Drug Delivery Science and Technology, 2018, 47, 386-394.	3.0	10
80	New designed special cells for Raman mapping of the disintegration process of pharmaceutical tablets. Journal of Pharmaceutical and Biomedical Analysis, 2019, 168, 113-123.	2.8	10
81	Application of reverse engineering in the field of pharmaceutical tablets using Raman mapping and chemometrics. Journal of Pharmaceutical and Biomedical Analysis, 2022, 209, 114496.	2.8	10
82	The Model of Linear Aggregate of Ag Colloidal Particles with Variable Inter-Particle Distances. Collection of Czechoslovak Chemical Communications, 1996, 61, 59-69.	1.0	9
83	Conformational Flexibility of Corey Lactone Derivatives Indicated by Absorption and Vibrational Circular Dichroism Spectra. Journal of Organic Chemistry, 2004, 69, 26-32.	3.2	9
84	Electrochemistry of Benzophenanthridine Alkaloids. Formation and Characterization of Redox Active Films from Products of Sanguinarine and Chelerythrine Oxidation. Electroanalysis, 2005, 17, 2175-2181.	2.9	9
85	Conformational and isomerizational studies of 3-N,N-dimethylhydrazino-2-acetyl propenenitrile using X-ray analysis, NMR and vibrational spectra, and ab initio calculations. Journal of Molecular Structure, 2009, 938, 97-110.	3.6	9
86	Ytterbium and erbium derivatives of 2-methoxyethanol and their use in the thin film deposition of Er-doped Yb3Al5O12. Journal of Sol-Gel Science and Technology, 2014, 70, 142-148.	2.4	9
87	Study of plasmonic nanoparticles interactions with skin layers by vibrational spectroscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 116, 85-93.	4.3	9
88	SERS spectroscopy with Ag colloids. Journal of Molecular Structure, 1997, 408-409, 149-154.	3.6	8
89	Thermoluminescence properties of CVD diamond films. Physica Status Solidi A, 2003, 199, 131-137.	1.7	8
90	The permselective layer prepared onto carbon and gold surfaces by electropolymerization of phenolic cyclopentenedione-nostotrebin 6. Electrochemistry Communications, 2014, 38, 53-56.	4.7	8

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91	Intercalates of Vanadyl Phosphate with Aliphatic Nitriles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 43, 95-99.	1.6	7
92	Surface plasmon resonance and Raman scattering effects studied for layers deposited on Spreeta sensors. Analytical and Bioanalytical Chemistry, 2003, 375, 1240-1245.	3.7	7
93	Isomers and conformers of two pushâ€“pull hydrazines studied by NMR and vibrational spectroscopy and by ab initio calculations. Journal of Molecular Structure, 2007, 834-836, 284-293.	3.6	7
94	Determination of relative configuration of symmetrical bis-TrÃ¶gerâ€™s base derivatives. Journal of Molecular Structure, 2011, 996, 69-74.	3.6	7
95	Amino-substituted TrÃ¶gerâ€™s base: electrochemical polymerization and characterization of the polymer film. Electrochimica Acta, 2017, 224, 439-445.	5.2	7
96	Intercalates of Vanadyl Phosphate with Dinitriles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2003, 45, 235-239.	1.6	6
97	Vibrational analysis and conformational study of 3-methylamino-2-acetyl propenenitrile and 3-methylamino-2-methylsulfonyl propenenitrile. Journal of Molecular Structure, 2007, 829, 8-21.	3.6	6
98	Immobilized strychnine as a new chiral stationary phase for HPLC. Electrophoresis, 2017, 38, 1956-1963.	2.4	6
99	Molecular frameworks of polymerized 3â€˜aminobenzoic acid for chemical modification and electrochemical recognition. Journal of Electroanalytical Chemistry, 2019, 832, 321-328.	3.8	6
100	Molecular Recognition of Phenylalanine Enantiomers onto a Solid Surface Modified with Electropolymerized Pyroleâ€Î²â€Cyclodextrin Conjugate. Electroanalysis, 2020, 32, 767-774.	2.9	6
101	A Study of the Hydration and Dehydration of Vanadyl Arsenate by X-ray Diffraction Analysis, Infrared and Raman Spectroscopy. European Journal of Inorganic Chemistry, 2000, 2000, 895-900.	2.0	5
102	Intercalates of Vanadyl Phosphate with Unsaturated Alcohols. European Journal of Inorganic Chemistry, 2001, 2001, 713-719.	2.0	5
103	Thermoluminescence of CVD Diamond Films Used in Photon Dosimetry. Physica Status Solidi A, 2001, 185, 195-202.	1.7	5
104	The effect of silver nanoparticles on the penetration properties of the skin and quantification of their permeation through skin barrier. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	5
105	SERS study of porphyrins with pyridyl side groups in various SERS-active colloidal systems. Journal of Molecular Structure, 1995, 349, 121-124.	3.6	4
106	Fourier-transform Raman spectroscopic study of surface of Norway spruce needles. Journal of Molecular Structure, 1999, 480-481, 547-550.	3.6	4
107	Multivariate analysis of attenuated total reflection spectra of Norway spruce needles. Journal of Molecular Structure, 2001, 565-566, 311-315.	3.6	4
108	Comparison of FT Raman spectra of some 5-nitroquinoxalines and their electropolymers. Journal of Molecular Structure, 2001, 565-566, 101-105.	3.6	4

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109	Isomerizational and conformational study of 3-fluorophenylamino-2-acetyl propenenitrile (FPAAPN). Journal of Molecular Structure, 2015, 1090, 112-120.	3.6	4
110	Poly(4-amino-2,1,3-benzothiadiazole) films: preparation, characterization and applications. Chemical Papers, 2017, 71, 359-366.	2.2	4
111	Sorption of organic liquids in poly(ethylene chlorotrifluoroethylene) HalarÂ®901: Experimental and theoretical analysis. Polymer Testing, 2017, 58, 199-207.	4.8	4
112	Study of interactions between Gallic Acid and Skin Surface using Infrared Spectroscopy. Vibrational Spectroscopy, 2018, 97, 119-128.	2.2	4
113	Nitro group as a redox switch in urea-based receptors of anions. Journal of Electroanalytical Chemistry, 2021, 902, 115816.	3.8	4
114	Spectroscopic study of phenyl- and 4-pyridylmalondialdehydes. Journal of Molecular Structure, 2001, 563-564, 497-501.	3.6	3
115	Intercalates of Vanadyl Phosphate with Benzonitrile and Tolunitrile. European Journal of Inorganic Chemistry, 2003, 2003, 3662-3667.	2.0	3
116	Control charts for chemometric evaluation of Raman spectra. Journal of Molecular Structure, 2005, 744-747, 259-264.	3.6	3
117	Conformational and isomerizational studies of 3-N,N-dimethylhydrazino-2-methylsulfonyl propenenitrile using NMR and vibrational spectra, X-ray analysis and ab initio calculations. Journal of Molecular Structure, 2008, 891, 192-204.	3.6	3
118	Conformational studies of aminomethylene-malonic acid dimethylester and its N-methyl derivatives using vibrational spectroscopy, X-ray analysis and ab initio calculations. Journal of Molecular Structure, 2009, 924-926, 54-61.	3.6	3
119	Isomerizational and conformational study of methyl-2-cyano-3-methoxyacrylate and methyl-2-cyano-3-aminoacrylate and its N-methyl derivatives. Journal of Molecular Structure, 2011, 993, 232-242.	3.6	3
120	Ageing of PVP/LiNbO3 solutions and its impact on the optical properties of Er3+/Yb3+:LiNbO3 waveguiding films. Journal of Physics and Chemistry of Solids, 2017, 111, 343-348.	4.0	3
121	Immobilization of green-synthesized silver nanoparticles for micro- and nano-spectroscopic applications: What is the role of used short amino- and thio-linkers and immobilization procedure on the SERS spectra?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119142.	3.9	3
122	Advantages and drawbacks of the use of immobilized â€œgreen-synthesizedâ€•silver nanoparticles on gold nanolayer for near-field vibrational spectroscopic study of riboflavin. Applied Surface Science, 2021, 557, 149832.	6.1	3
123	Chemometric evaluation of temperature-dependent surface-enhanced Raman spectra of riboflavin: What is the best multivariate approach to describe the effect of temperature?. Journal of Molecular Structure, 2014, 1075, 609-619.	3.6	2
124	Smart Design for Potentiometric Detection. Electroanalysis, 2015, 27, 713-719.	2.9	2
125	Obtaining Black Carbonâ€”A Simple Method for the Safe Removal of Mineral Components from Soils and Archaeological Layers. Archaeometry, 2017, 59, 346-355.	1.3	2
126	Optimization of Electrochemical Visualization of Latent Fingerprints with Poly(Neutral Red) on Brass Surfaces. Polymers, 2021, 13, 3220.	4.5	2

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127	Photon correlation spectroscopy as a tool of characterization of SERS-active systems based on Ag sols. Journal of Molecular Structure, 1997, 410-411, 197-199.	3.6	1
128	Host-guest Interactions in Intercalates Zr(HPO 4) 2 Â·2C 2 H 5 OH and VOPO 4 Â·2C 2 H 5 OH. Journal of Molecular Modeling, 1998, 4, 284-293.	1.8	1
129	Preparation and oxygen resistance of 2D composites based on E-glass, R-glass, and siloxanes. Materials Chemistry and Physics, 2003, 82, 458-465.	4.0	1
130	Measurement of FT-Raman spectra of Norway spruce needles in stepwise rotating cylindrical cell. Journal of Molecular Structure, 2003, 651-653, 397-404.	3.6	1
131	Piezoelectrically driven capillary optical cell. Journal of Molecular Structure, 2003, 651-653, 211-215.	3.6	1
132	Measurement and evaluation of FT-Raman spectra of Norway spruce needles: how the background variability can be explained. Journal of Molecular Structure, 2003, 661-662, 333-345.	3.6	1
133	Interaction of oligopyrrole macrocycles with aromatic acids: spectroscopical, quantum chemical and chromatographic aspects. Talanta, 2003, 59, 817-829.	5.5	1
134	Properties of RF magnetron sputtered gallium nitride semiconductors doped with erbium. Surface and Interface Analysis, 2004, 36, 952-954.	1.8	1
135	Biodistribution Assessment of a Lutetium(III) Texaphyrin Analogue in Tumorâ€bearing Mice Using NIR Fourierâ€transform Raman Spectroscopy^{Â¶}. Photochemistry and Photobiology, 2004, 79, 453-460.	2.5	1
136	Electrochemical and spectroscopic properties of poly-4,4â€²-dialkoxy-2,2â€²-bipyrroles. Journal of Solid State Electrochemistry, 2010, 14, 1035-1044.	2.5	1
137	Infrared spectroscopic study of the model metalâ€“ligandâ€“antibody systems: What information on the structure and stability of systems can be obtained?. Vibrational Spectroscopy, 2012, 61, 78-84.	2.2	1
138	Methodology of deconvolution of total solute retention on chemically modified stationary phases to structure specific contributions of bound compounds. Journal of Chromatography A, 2021, 1642, 462030.	3.7	1
139	Water/Ethanol Displacement Reactions in Vanadyl Phosphate. European Journal of Inorganic Chemistry, 1999, 1999, 2289-2294.	2.0	1
140	The new model of linear colloidal aggregate. Journal of Molecular Structure, 1995, 348, 297-300.	3.6	0
141	FT Raman spectroscopy of Norway spruce needles. , 2001, , .		0
142	The complexation of anions by chloro- and cyanoacetanilides; IR, 1H-NMR and computation study. Supramolecular Chemistry, 2016, 28, 249-255.	1.2	0
143	Electrochemical sensor for phenylpropanolamine based on oligomer derived from 3-hydroxybenzoic acid with dibenzo-18-crown-6. Journal of Electroanalytical Chemistry, 2021, 882, 114963.	3.8	0
144	Design and Electrochemical Investigation of Ureido-Sulfonamidic Receptors for Phosphates. ECS Meeting Abstracts, 2021, MA2021-01, 1707-1707.	0.0	0

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145	Development and characterization of a novel reference sample for tip-enhanced Raman spectroscopy. Monatshefte FÃ¼r Chemie, 2021, 152, 1119-1125.	1.8	0
146	FT Raman Spectroscopy as a Tool for Characterization of Derivatized Silica Gel Sorbents. Collection of Czechoslovak Chemical Communications, 2005, 70, 168-177.	1.0	0
147	Colloidal Solution of Organically Capped Si Nanocrystals in Xylene: Efficient Photoluminescence in the Yellow Region. , 2008, , .		0