

Ozan Unsalan

List of Publications by Year in descending order

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32
papers

623
citations

840776

11
h-index

610901

24
g-index

33
all docs

33
docs citations

33
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. <i>Nature</i> , 2017, 550, 219-223.	27.8	179
2	FT-Raman and FT-IR spectral and quantum chemical studies on some flavonoid derivatives: Baicalein and Naringenin. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 562-570.	2.5	62
3	Infrared and Raman spectra, vibrational assignment, NBO analysis and DFT calculations of 6-aminoflavone. <i>Journal of Molecular Structure</i> , 2010, 980, 24-30.	3.6	53
4	Development and characterization of fish myofibrillar protein/chitosan/rosemary extract composite edible films and the improvement of lipid oxidation stability during the grass carp fillets storage. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 463-475.	7.5	53
5	FT-Raman, FT-IR spectral and DFT studies on 6, 8-dichloroflavone and 6, 8-dibromoflavone. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 820-828.	2.5	37
6	Structural conformations and vibrational spectral study of chloroflavone with density functional theoretical simulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 130-136.	3.9	32
7	The SariÅsiÅsek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. <i>Meteoritics and Planetary Science</i> , 2019, 54, 953-1008.	1.6	30
8	On-site pXRF analysis of glaze composition and colouring agents of âœœznikâœœ tiles at Edirne mosques (15th and 16th-centuries). <i>Ceramics International</i> , 2019, 45, 595-605.	4.8	23
9	FT-IR spectroscopy and multivariate analysis as an auxiliary tool for diagnosis of mental disorders: Bipolar and schizophrenia cases. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 551-556.	3.9	18
10	FTIR spectroscopic and quantum chemical studies on hydantoin. <i>Optics and Spectroscopy (English)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	14
11	Trans- and cis-stilbene isolated in cryogenic argon and xenon matrices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 81-94.	3.9	14
12	Micro-Raman, FTIR, SEM-EDX and structural analysis of the Åtanakkale meteorite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 250-255.	3.9	11
13	Solvent effect on the vibrational spectra of Carvedilol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 148-164.	3.9	11
14	Vibrational (FT-IR and FT-Raman) spectral investigations of 7-aminoflavone with density functional theoretical simulations. <i>Molecular Simulation</i> , 2012, 38, 315-325.	2.0	10
15	Fenoterol and dobutamine as SARS-CoV-2 main protease inhibitors: A virtual screening study. <i>Journal of Molecular Structure</i> , 2021, 1228, 129449.	3.6	10
16	The interior and the fusion crust in SariÅsiÅsek howardite: Study using X-ray diffraction, magnetization measurements and MÃssbauer spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117819.	3.9	9
17	FTIR, Raman and DFT studies on 2-[4-(4-ethylbenzamido)phenyl]benzothiazole and 2-[4-(4-nitrobenzamido)phenyl]benzothiazole supported by differential scanning calorimetry. <i>Journal of Molecular Structure</i> , 2020, 1218, 128454.	3.6	8
18	Shockâœœinduced olivineâœœ ringwoodite and plagioclaseâœœ maskelynite transformations in Bursa L6 chondrite: A Raman and ATRâœœFTIR spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118590.	3.9	8

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19	FT-IR spectral, DFT studies and detailed vibrational assignment on N,N ² ,N ³ -tris(2-aminoethyl)-phosphoric acid triamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 110-115.	3.9	7
20	Micro-Raman, Mid-IR, Far-IR and DFT studies on 2-[4-(4-Fluorobenzamido)phenyl]benzothiazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 414-421.	3.9	6
21	Study of Bursa L6 ordinary chondrite by X-ray diffraction, magnetization measurements, and Mössbauer spectroscopy. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2780-2793.	1.6	5
22	Effects of hazardous pollutants on the walls of Valence Aqueduct (Istanbul) by Raman spectroscopy, SEM-EDX and Geographical Information System. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 572-576.	3.9	4
23	One pilot application of mobile Raman spectroscopy and information technologies for cultural heritage inventory studies. <i>Journal of Cultural Heritage</i> , 2017, 25, 94-100.	3.3	4
24	FTIR spectroscopic and quantum-chemical studies on some tribromoindenes and their isomers. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011, 111, 894-903.	0.6	3
25	Spectroscopic and microscopic comparisons of cell topology and chemistry analysis of mouse embryonic stem cell, somatic cell and cancer cell. <i>Acta Histochemica</i> , 2021, 123, 151763.	1.8	3
26	Structural and anharmonic vibrational spectroscopic analysis of artificial sweetener alitame: A DFT study for molecular basis of sweet taste. <i>Journal of Molecular Structure</i> , 2021, 1246, 131157.	3.6	3
27	Comparison of the ⁵⁷ Fe hyperfine interactions in silicate phases in SariÅşek howardite and some ordinary chondrites. <i>Hyperfine Interactions</i> , 2019, 240, 1.	0.5	2
28	Specific heat and thermal history of the SariÅşek howardite. <i>Meteoritics and Planetary Science</i> , 2021, 56, 2103.	1.6	2
29	Molecular spectroscopy and molecular structure – Selected communications presented at the 3rd international Turkish congress on molecular spectroscopy (TURCMOS 2017). <i>Journal of Molecular Structure</i> , 2018, 1174, 1-2.	3.6	1
30	Earliest evidence of a death and injury by a meteorite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 886-894.	1.6	1
31	Molecular spectroscopy and molecular structure – Selected communications presented at the 1st International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 523-524.	3.9	0
32	The Determination of the Water Content and Hydrogen Abundance of Two CK- and CV-type Carbonaceous Chondrites Using Thermogravimetric Analysis. <i>International Journal of Thermophysics</i> , 2022, 43, .	2.1	0