Mourad Roudjane

List of Publications by Year
in descending order

27	459	687363 13	713466 21
papers	citations	h-index	g-index

29	29	29	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Wire-Free and Fiber-Based Smart T-Shirt for Real-Time Breathing Rate Monitoring. IEEE Sensors Journal, 2022, 22, 4463-4471.	4.7	4
2	Excited states of lutetium oxide and its singly charged cation. Journal of Chemical Physics, 2022, 156, 084303.	3.0	2
3	Detecting Respiratory Rate Using Flexible Multimaterial Fiber Electrodes Designed for a Wearable Garment. IEEE Sensors Journal, 2022, 22, 13552-13561.	4.7	5
4	Wearable Sensor Based on Flexible Sinusoidal Antenna for Strain Sensing Applications. Sensors, 2022, 22, 4069.	3.8	8
5	Wearable Scanner Platform Based on Fiber Sensor Array for Real Time Breath Detection. , 2020, , .		1
6	Multimodal Electrophysiological Signal Measurement using a New Flexible and Conductive Polymer Fiber-electrode. , 2020, 2020, 4373-4376.		7
7	Smart T-Shirt Based on Wireless Communication Spiral Fiber Sensor Array for Real-Time Breath Monitoring: Validation of the Technology. IEEE Sensors Journal, 2020, 20, 10841-10850.	4.7	28
8	Microspectrometry-FTIR based glucose and fructose biosensor with pseudo-continuous flow. , 2020, , .		0
9	Detection of Neuromuscular Activity Using New Non-Invasive and Flexible Multimaterial Fiber Dry-Electrodes. IEEE Sensors Journal, 2019, 19, 11624-11633.	4.7	9
10	Pseudo-Continuous Flow System for Dopamine and Ascorbic Acid Detection Based on FTIR-Spectrometery. , 2019, , .		3
11	Pseudo-Continuous Flow FTIR System for Glucose, Fructose and Sucrose Identification in Mid-IR Range. Micromachines, 2018, 9, 517.	2.9	21
12	New Generation Wearable Antenna Based on Multimaterial Fiber for Wireless Communication and Real-Time Breath Detection. Photonics, 2018, 5, 33.	2.0	26
13	A Portable Wireless Communication Platform Based on a Multi-Material Fiber Sensor for Real-Time Breath Detection. Sensors, 2018, 18, 973.	3.8	25
14	Development of electro-conductive silver phosphate-based glass optrodes for in vivo optogenetics. , 2018, , .		0
15	Spectroscopic Characterization of Lanthanum-Mediated Dehydrogenation and Câ€“C Bond Coupling of Ethylene. Journal of Physical Chemistry A, 2016, 120, 4482-4489.	2.5	22
16	The high-resolution absorption spectroscopy branch on the VUV beamline DESIRS at SOLEIL. Journal of Synchrotron Radiation, 2016, 23, 887-900.	2.4	36
17	Lanthanum-Mediated Câ€“H Bond Activation of Propyne and Identification of La(C₃H₂) Isomers. Journal of Physical Chemistry A, 2015, 119, 2857-2862.	2.5	17
18	Jet cooled cavity ringdown spectroscopy of the AËœ2Eâ€³â†ŽËœ2A2â€² transition of the NO3 radical. Journal of Chemical Physics, 2015, 142, 184305.	3.0	29

#	Article	IF	Citations
19	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Isopropoxy Radical: Vibronic Analysis of BÌƒâ€“XÌƒ and BÌƒâ€“Ãƒ Band Systems. Journal of Physical Chemistry A, 2014, 118, 11852-11870.	2.5	15
20	Binding sites and electronic states of group 3 metal-aniline complexes probed by high-resolution electron spectroscopy. Journal of Chemical Physics, 2013, 138, 224304.	3.0	2
21	High-resolution electron spectroscopy of lanthanide (Ce, Pr, and Nd) complexes of cyclooctatetraene: The role of 4f electrons. Journal of Chemical Physics, 2013, 138, 164307.	3.0	12
22	Electronic states and pseudo Jahn-Teller distortion of heavy metal-monobenzene complexes: M(C6H6) (M = Y, La, and Lu). Journal of Chemical Physics, 2012, 136, 134310.	3.0	19
23	Electronic States and Metalâ€“Ligand Bonding of Gadolinium Complexes of Benzene and Cyclooctatetraene. Journal of Physical Chemistry A, 2012, 116, 839-845.	2.5	13
24	High-resolution broad-bandwidth Fourier-transform absorption spectroscopy in the VUV range down to 40Ânm. Nature Photonics, 2011, 5, 149-153.	31.4	108
25	High resolution vacuum ultraviolet emission spectrum of D2: The Bâ€²Î£u+1â†'XÎ£g+1 band system. Journal of Chemical Physics, 2007, 127, 054307.	3.0	17
26	High resolution vacuum ultraviolet emission spectrum of D2 from 78to103nm: The DÎu1â†'XÎ£g+1 and Dâ€²Îuâ˜1â†'XÎ£g+1 band systems. Journal of Chemical Physics, 2006, 125, 214305.	3.0	28
27	Innovative Wearable Sensors Based on Hybrid Materials for Real-Time Breath Monitoring. , 0, , .		2