

# Tariq Jawhari

## List of Publications by Year in descending order

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38  
papers

2,048  
citations

516710

16  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu-Sn-S system: Vibrational properties and coexistence of the Cu <sub>2</sub> SnS <sub>3</sub> , Cu <sub>3</sub> SnS <sub>4</sub> and Cu <sub>4</sub> SnS <sub>4</sub> compounds. Scripta Materialia, 2020, 186, 180-184.	5.2	15
2	Influence of Zn excess on compositional, structural and vibrational properties of Cu <sub>2</sub> ZnSn <sub>0.5</sub> Ge <sub>0.5</sub> Se <sub>4</sub> thin films and their effect on solar cell efficiency. Solar Energy, 2020, 199, 864-871.	6.1	12
3	Multiwavelength excitation Raman scattering study of Sb <sub>2</sub> Se <sub>3</sub> compound: fundamental vibrational properties and secondary phases detection. 2D Materials, 2019, 6, 045054.	4.4	69
4	Ni-bearing phyllosilicates (œgarnieritesœ): New insights from thermal analysis, ¼Raman and IR spectroscopy. Applied Clay Science, 2019, 175, 47-66.	5.2	10
5	Confocal Raman imaging and chemometrics applied to solve forensic document examination involving crossed lines and obliteration cases by a depth profiling study. Analyst, The, 2017, 142, 1106-1118.	3.5	30
6	Advanced lipid systems containing ²-carotene: stability under UV-vis radiation and application on porcine skin in vitro. Physical Chemistry Chemical Physics, 2015, 17, 18710-18721.	2.8	16
7	Multiwavelength excitation Raman scattering study of polycrystalline kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films. Applied Physics Letters, 2014, 104, .	3.3	249
8	Selective detection of secondary phases in Cu<inf>2</inf><inf>2</inf><inf>ZnSn(S, Se)<inf>4</inf><inf></inf> based absorbers by pre-resonant Raman spectroscopy. , 2013, , .		12
9	A non-destructive characterization of stratigraphies in contemporary prints using micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 1267-1273.	2.5	6
10	In-situ monitoring of laser annealing by micro-Raman spectroscopy for hydrogenated silicon nanoparticles produced in radio frequency glow discharge. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1296-1300.	1.8	4
11	Quasi real-time Raman studies on the growth of CuœInœS thin films. Journal of Applied Physics, 2004, 95, 5153-5158.	2.5	52
12	Real-time investigations of the influence of sodium on the properties of Cu-poor prepared CuInS <sub>2</sub> thin films. Thin Solid Films, 2003, 431-432, 110-115.	1.8	20
13	Raman scattering structural evaluation of CuInS <sub>2</sub> thin films. Thin Solid Films, 2001, 387, 216-218.	1.8	45
14	Micro-Raman spectroscopy of the solid state: applications to semiconductors and thin films. Analisis - European Journal of Analytical Chemistry, 2000, 28, 15-21.	0.4	34
15	FTIR and microœRaman spectra of polymer nanostructures under pressure. Macromolecular Symposia, 1997, 119, 207-212.	0.7	0
16	Brominated pitch œ” based carbon fibers. Synthetic Metals, 1997, 86, 2337-2338.	3.9	2
17	Rheo-Optical Raman Study of Chain Deformation in Uniaxially Stretched Bulk Isotactic Polypropylene. Journal of Raman Spectroscopy, 1996, 27, 463-467.	2.5	17
18	Micro-Raman spectroscopic measurements on carbon fibers. Vibrational Spectroscopy, 1996, 11, 79-83.	2.2	21

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19	Micro-Raman study of the longitudinal acoustic modes (LAM) evolution along the transition front in uniaxially stretched HDPE. <i>Colloid and Polymer Science</i> , 1996, 274, 285-289.	2.1	10
20	Effect of stress and composition on the Raman spectra of etchâ€stop SiGeB layers. <i>Journal of Applied Physics</i> , 1996, 80, 5736-5741.	2.5	7
21	Raman spectroscopic characterization of some commercially available carbon black materials. <i>Carbon</i> , 1995, 33, 1561-1565.	10.3	1,118
22	Damage of polymers studied by micro-Fourier Transform Raman spectroscopy. <i>Polymer Bulletin</i> , 1995, 34, 71-77.	3.3	3
23	Rheo-optical Raman study of chain deformation in uniaxially stretched bulk polyethylene. <i>Polymer</i> , 1995, 36, 4233-4238.	3.8	21
24	Structural analysis of poly(ethylene terephthalate) reinforced with glass fibre: 1. A photoacoustic Fourier transform infra-red study. <i>Polymer</i> , 1994, 35, 514-518.	3.8	20
25	A comparison of specular reflection and PA-FTIR techniques in the analysis of annealed injection-molded polyamide 6,6. <i>Journal of Applied Polymer Science</i> , 1994, 51, 463-471.	2.6	14
26	Non-destructive characterization of the uniformity of thin cobalt disilicide films by Raman microprobe measurements. <i>Thin Solid Films</i> , 1994, 251, 45-50.	1.8	16
27	Raman mapping of the microdeformed zone produced by Vickers and Knoop microindentation techniques in poly(vinylidene fluoride). <i>Polymer</i> , 1993, 34, 1613-1619.	3.8	10
28	Structural analysis of injection-moulded semicrystalline polymers by Fourier transform infra-red spectroscopy with photoacoustic detection and differential scanning calorimetry: 1. Poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	10
29	Microâ€Raman study of the transition front in uniaxially stretched semicrystalline polymers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 72, 131-141.	0.6	10
30	Micro-Raman spectroscopy study of the process of microindentation in polymers. <i>Journal of Materials Science</i> , 1992, 27, 2231-2236.	3.7	8
31	Micro-Raman spectroscopy study of the process of microindentation in polymers. <i>Journal of Materials Science</i> , 1992, 27, 2237-2242.	3.7	10
32	Characterization of multilayer polymer structures by micro-raman and micro-FTIR spectroscopies. <i>Journal of Molecular Structure</i> , 1992, 266, 205-210.	3.6	11
33	Micro-Raman mapping of the transition region in the neck region of stretched poly(vinylidene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 16	3.8	16
34	A further structural examination of PVC gels. <i>Materials Letters</i> , 1991, 11, 105-108.	2.6	2
35	Application of a new system controlled by computer to measure in real time microhardness on LLDPEs. <i>Polymer Testing</i> , 1991, 10, 379-385.	4.8	3
36	A standardised intensity scale for Fourier transform Raman spectra of liquids. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991, 47, 1189-1199.	0.1	22

#	ARTICLE	IF	CITATIONS
37	Quantitative analysis using Raman methods. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1990, 46, 161-170.	0.1	36
38	Routine analytical Fourier transform Raman spectroscopy. <i>Analyst, The</i> , 1989, 114, 1061-1066.	3.5	56