Syed A M Tofail

List of Publications by Year
in descending order

160	5,543	94269	95083
papers	citations	37 h-index	68 g-index

161	161	161	7192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Additive manufacturing: scientific and technological challenges, market uptake and opportunities. Materials Today, 2018, 21, 22-37.	8.3	1,264
2	Nanoparticles in biomedical applications. Advances in Physics: X, 2017, 2, 54-88.	1.5	219
3	Control of piezoelectricity in amino acids by supramolecular packing. Nature Materials, 2018, 17, 180-186.	13.3	218
4	Nanosystems: the use of nanoalloys, metallic, bimetallic, and magnetic nanoparticles in biomedical applications. Physical Chemistry Chemical Physics, 2015, 17, 27981-27995.	1.3	188
5	Structure and stability of hydroxyapatite: Density functional calculation and Rietveld analysis. Physical Review B, 2005, 71, .	1.1	133
6	Organic piezoelectric materials: milestones and potential. NPG Asia Materials, 2019, 11, .	3.8	121
7	Ferroelectric Polarization in Nanocrystalline Hydroxyapatite Thin Films on Silicon. Scientific Reports, 2013, 3, 2215.	1.6	112
8	A facile aqueous solâ€“gel method for high surface area nanocrystalline CeO2. RSC Advances, 2011, 1, 1794.	1.7	87
9	A novel study of hexavalent chromium detoxification by selected seaweed species using SEM-EDX and XPS analysis. Chemical Engineering Journal, 2009, 148, 425-433.	6.6	82
10	Bioinspired Stable and Photoluminescent Assemblies for Power Generation. Advanced Materials, 2019, 31, e1807481.	11.1	82
11	Multimodal Superparamagnetic Nanoparticles with Unusually Enhanced Specific Absorption Rate for Synergetic Cancer Therapeutics and Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 14656-14664.	4.0	78
12	Pyroelectric, piezoelectric, and photoeffects in hydroxyapatite thin films on silicon. Applied Physics Letters, 2011, 98, 123703.	1.5	70
13	Structural Order and Dielectric Behaviour of Hydroxyapatite. Ferroelectrics, 2005, 319, 117-123.	0.3	69
14	Piezoelectric Tensor of Collagen Fibrils Determined at the Nanoscale. ACS Biomaterials Science and Engineering, 2017, 3, 929-935.	2.6	69
15	Molecular engineering of piezoelectricity in collagen-mimicking peptide assemblies. Nature Communications, 2021, 12, 2634.	5.8	68
16	Piezoelectricity in Poled Hydroxyapatite Ceramics. Journal of the American Ceramic Society, 2014, 97, 2867-2872.	1.9	67
17	Substrate topography: A valuable in vitro tool, but a clinical red herring for in vivo tenogenesis. Acta Biomaterialia, 2015, 27, 3-12.	4.1	66
18	Electrically Polarized Biomaterials. Advanced Materials, 2016, 28, 5470-5484.	11.1	63

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19	Direct and ultrasonic measurements of macroscopic piezoelectricity in sintered hydroxyapatite. Journal of Applied Physics, 2009, 105, 064103.	1.1	61
20	Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. ACS Nano, 2020, 14, 10704-10715.	7.3	61
21	Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. Physical Chemistry Chemical Physics, 2016, 18, 21331-21339.	1.3	60
22	Racemic Amino Acid Piezoelectric Transducer. Physical Review Letters, 2019, 122, 047701.	2.9	59
23	Diphenylalanine-Derivative Peptide Assemblies with Increased Aromaticity Exhibit Metal-like Rigidity and High Piezoelectricity. ACS Nano, 2020, 14, 7025-7037.	7.3	59
24	Effective Cancer Theranostics with Polymer Encapsulated Superparamagnetic Nanoparticles: Combined Effects of Magnetic Hyperthermia and Controlled Drug Release. ACS Biomaterials Science and Engineering, 2017, 3, 1332-1340.	2.6	54
25	Surface characterisation of electrografted random poly[carbazole-co-3-methylthiophene] copolymers on carbon fiber: XPS, AFM and Raman spectroscopy. Applied Surface Science, 2004, 222, 148-165.	3.1	52
26	Guest Molecule-Mediated Energy Harvesting in a Conformationally Sensitive Peptideâ€“Metal Organic Framework. Journal of the American Chemical Society, 2022, 144, 3468-3476.	6.6	49
27	Superparamagnetic Gadolinium Ferrite Nanoparticles with Controllable Curie Temperature â€“ Cancer Theranostics for MRâ€Imagingâ€Guided Magnetoâ€Chemotherapy. European Journal of Inorganic Chemistry, 2016, 2016, 4586-4597.	1.0	47
28	Multi-modal MR imaging and magnetic hyperthermia study of Gd doped Fe₃O₄ nanoparticles for integrative cancer therapy. RSC Advances, 2016, 6, 94967-94975.	1.7	46
29	Pyroelectric surface charge in hydroxyapatite ceramics. Journal of Applied Physics, 2009, 106, .	1.1	45
30	The effect of annealing on the mechanical properties and microstructural evolution of Ti-rich NiTi shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 662, 564-577.	2.6	45
31	Electrochemical Nucleation of Gold Nanoparticles in a Polymer Film at a Liquidâ”Liquid Interface. Langmuir, 2005, 21, 1001-1008.	1.6	44
32	In situ photoexcitation of silver-doped titania nanopowders for activity against bacteria and yeasts. Journal of Colloid and Interface Science, 2011, 362, 50-57.	5.0	44
33	Unravelling the specific site preference in doping of calcium hydroxyapatite with strontium from ab initio investigations and Rietveld analyses. Physical Chemistry Chemical Physics, 2012, 14, 3435.	1.3	43
34	Physically stimulated nanotheranostics for next generation cancer therapy: Focus on magnetic and light stimulations. Applied Physics Reviews, 2019, 6, .	5.5	43
35	Effect of different stages of deformation on the microstructure evolution of Ti-rich NiTi shape memory alloy. Materials Characterization, 2017, 125, 51-66.	1.9	42
36	Effects of Polydopamine Functionalization on Boron Nitride Nanotube Dispersion and Cytocompatibility. Bioconjugate Chemistry, 2015, 26, 2025-2037.	1.8	40

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37	Accelerated charge transfer in water-layered peptide assemblies. Energy and Environmental Science, 2020, 13, 96-101.	15.6	39
38	Longitudinal Piezoelectricity in Orthorhombic Amino Acid Crystal Films. Crystal Growth and Design, 2018, 18, 4844-4848.	1.4	38
39	Theoretical Optimization of Pore Size and Chemistry in SIFSIX-3-M Hybrid Ultramicroporous Materials. Crystal Growth and Design, 2016, 16, 3890-3897.	1.4	37
40	Deconstructing collagen piezoelectricity using alanine-hydroxyproline-glycine building blocks. Nanoscale, 2018, 10, 9653-9663.	2.8	36
41	The insurability of nanomaterial production risk. Nature Nanotechnology, 2013, 8, 222-224.	15.6	35
42	The direct piezoelectric effect in the globular protein lysozyme. Applied Physics Letters, 2017, 111, .	1.5	35
43	Bioactive silica-based drug delivery systems containing doxorubicin hydrochloride: In vitro studies. Colloids and Surfaces B: Biointerfaces, 2012, 93, 249-259.	2.5	34
44	Hollow-fiber flow field-flow fractionation and multi-angle light scattering investigation of the size, shape and metal-release of silver nanoparticles in aqueous medium for nano-risk assessment. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 92-99.	1.4	34
45	Functional TiO₂ nanocoral architecture for light-activated cancer chemotherapy. Journal of Materials Chemistry B, 2017, 5, 1461-1470.	2.9	33
46	Viscoelastic braided stent: Finite element modelling and validation of crimping behaviour. Materials and Design, 2017, 121, 143-153.	3.3	33
47	Pathway Complexity in Supramolecular Porphyrin Self-Assembly at an Immiscible Liquidâ€“Liquid Interface. Journal of the American Chemical Society, 2021, 143, 9060-9069.	6.6	33
48	A Selfâ€Powered Piezoâ€Bioelectric Device Regulates Tendon Repairâ€Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels. Advanced Materials, 2021, 33, e2008788.	11.1	32
49	Biocidal effect and durability of nano-TiO2 coated textiles to combat hospital acquired infections. RSC Advances, 2014, 4, 19945.	1.7	31
50	Progress in Remotely Triggered Hybrid Nanostructures for Next-Generation Brain Cancer Theranostics. ACS Biomaterials Science and Engineering, 2019, 5, 2669-2687.	2.6	31
51	A framework for far-field infrared absorption microscopy beyond the diffraction limit. Optics Express, 2012, 20, 29694.	1.7	30
52	Rheological Issues in Carbon-Based Inks for Additive Manufacturing. Micromachines, 2019, 10, 99.	1.4	30
53	MRI Guided Magneto-chemotherapy with High-Magnetic-Moment Iron Oxide Nanoparticles for Cancer Theranostics. ACS Applied Bio Materials, 2020, 3, 2305-2313.	2.3	29
54	High-resolution quantitative determination of dielectric function by using scattering scanning near-field optical microscopy. Scientific Reports, 2015, 5, 11876.	1.6	28

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55	A Tractable Method for Measuring Nanomaterial Risk Using Bayesian Networks. Nanoscale Research Letters, 2016, 11, 503.	3.1	28
56	Effect of annealing on hydrophobic stability of plasma deposited fluoropolymer coatings. Polymer Degradation and Stability, 2008, 93, 2119-2126.	2.7	24
57	Boron Nitride Nanotube Addition Enhances the Crystallinity and Cytocompatibility of PVDF-TrFE. Frontiers in Chemistry, 2019, 7, 364.	1.8	24
58	Impact and effectiveness of risk mitigation strategies on the insurability of nanomaterial production: evidences from industrial case studies. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 839-855.	3.3	23
59	Patterned nanostructured arrays for high-density magnetic recording. Applied Organometallic Chemistry, 2001, 15, 373-382.	1.7	22
60	The Role of Texturing and Densification on Optical Transmittance of Hydroxyapatite Ceramics. Journal of the American Ceramic Society, 2010, 93, 3773-3777.	1.9	22
61	Looped ends versus open ends braided stent: A comparison of the mechanical behaviour using analytical and numerical methods. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 581-591.	1.5	22
62	Bevel angle study of flexible hollow needle insertion into biological mimetic soft-gel: Simulation and experimental validation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 111, 103896.	1.5	22
63	Reassigning the most stable surface of hydroxyapatite to the water resistant hydroxyl terminated (010) surface. Surface Science, 2014, 623, 55-63.	0.8	21
64	Study of the microstructure evolution of heat treated Ti-rich NiTi shape memory alloy. Materials Characterization, 2016, 112, 11-19.	1.9	21
65	Charge Specific Protein Placement at Submicrometer and Nanometer Scale by Direct Modification of Surface Potential by Electron Beam. Langmuir, 2011, 27, 14968-14974.	1.6	20
66	Far-Field Subdiffraction Imaging of Semiconductors Using Nonlinear Transient Absorption Differential Microscopy. ACS Photonics, 2016, 3, 478-485.	3.2	20
67	Comprehensive approach of hybrid nanoplatforms in drug delivery and theranostics to combat cancer. Drug Discovery Today, 2020, 25, 1245-1252.	3.2	20
68	Competitive Sorption of Antimony with Zinc, Nickel, and Aluminum in a Seaweed Based Fixedâ€bed Sorption Column. Clean - Soil, Air, Water, 2009, 37, 712-719.	0.7	19
69	The atomic level structure of the TiO2â€“NiTi interface. Physical Chemistry Chemical Physics, 2010, 12, 9742.	1.3	18
70	Effect of Annealing on Improved Hydrophobicity of Vapor Phase Deposited Self-Assembled Monolayers. Journal of Physical Chemistry C, 2008, 112, 14934-14942.	1.5	17
71	Improved aging performance of vapor phase deposited hydrophobic self-assembled monolayers. Applied Surface Science, 2011, 257, 4331-4338.	3.1	17
72	Anticipatory Ethics and Governance (AEG): Towards a Future Care Orientation Around Nanotechnology. NanoEthics, 2015, 9, 123-136.	0.5	17

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73	The Effects of a Varied Gold Shell Thickness on Iron Oxide Nanoparticle Cores in Magnetic Manipulation, T1 and T2 MRI Contrasting, and Magnetic Hyperthermia. Nanomaterials, 2020, 10, 2424.	1.9	17
74	A Piezoelectric Ionic Cocrystal of Glycine and Sulfamic Acid. Crystal Growth and Design, 2021, 21, 5818-5827.	1.4	17
75	Characterisation and Manipulation of Polarisation Response in Plasmonic and Magneto-Plasmonic Nanostructures and Metamaterials. Symmetry, 2020, 12, 1365.	1.1	16
76	Direct creation of microdomains with positive and negative surface potential on hydroxyapatite coatings. Applied Physics Letters, 2011, 98, 113701.	1.5	15
77	Pyroelectricity in globular protein lysozyme films. Journal of Applied Physics, 2018, 123, .	1.1	15
78	Atomistic-Benchmarking towards a protocol development for rapid quantitative metrology of piezoelectric biomolecular materials. Applied Materials Today, 2020, 21, 100818.	2.3	15
79	Implementation of artificial intelligence and non-contact infrared thermography for prediction and personalized automatic identification of different stages of cellulite. EPMA Journal, 2020, 11, 17-29.	3.3	15
80	High resolution imaging with differential infrared absorption micro-spectroscopy. Optics Express, 2013, 21, 25632.	1.7	14
81	Spectral drifts in surface textured Fe3O4-Au, coreâ€“shell nanoparticles enhance spectra-selective photothermal heating and scatter imaging. Nanoscale, 2020, 12, 12632-12638.	2.8	14
82	Photo-responsive functional gold nanocapsules for inactivation of community-acquired, highly virulent, multidrug-resistant MRSA. Journal of Materials Chemistry B, 2021, 9, 846-856.	2.9	14
83	Characterisation of nanosize thin films of electrografted N-vinylcarbazole copolymers (P[NVCzâ€“co-VBSA] and P[NVCzâ€“co-3-MeTh]) onto carbon fibre. Applied Surface Science, 2005, 243, 183-198.	3.1	13
84	Experimental study on dieless drawing of Nickelâ€“Titanium alloy. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 8, 8-20.	1.5	13
85	Multiple approach to test nano TiO2 photo-activity. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 26-33.	2.0	13
86	First principles simulations of elastic properties of radiopaque NiTiPt. Journal of Alloys and Compounds, 2015, 630, 54-59.	2.8	13
87	In Situ, Realâ€Time Infrared (IR) Imaging for Metrology in Advanced Manufacturing. Advanced Engineering Materials, 2018, 20, 1800061.	1.6	13
88	Silica modification of titania nanoparticles enhances photocatalytic production of reactive oxygen species without increasing toxicity potential in vitro. RSC Advances, 2018, 8, 40369-40377.	1.7	12
89	Piezoelectricity of the Transmembrane Protein ba₃ Cytochrome c Oxidase. Advanced Functional Materials, 2021, 31, 2100884.	7.8	12
90	Production of Nitinol Wire from Elemental Nickel and Titanium Powders Through Spark Plasma Sintering and Extrusion. Journal of Materials Engineering and Performance, 2011, 20, 757-761.	1.2	11

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91	Photoactivated titania-based nanomaterials for potential application as cardiovascular stent coatings. Biocybernetics and Biomedical Engineering, 2014, 34, 189-197.	3.3	11
92	Converse piezoelectricity and ferroelectricity in crystals of lysozyme protein revealed by piezoresponse force microscopy. Ferroelectrics, 2018, 525, 135-145.	0.3	11
93	Longitudinal piezoelectricity in natural calcite materials: Preliminary studies. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 803-807.	1.8	11
94	Thermal effects of mobile phones on human auricle region. Journal of Thermal Biology, 2019, 79, 56-68.	1.1	11
95	Quantitative Polarizationâ€Resolved Secondâ€Harmonicâ€Generation Microscopy of Glycine Microneedles. Advanced Materials, 2020, 32, 2002873.	11.1	11
96	Determination of thermal and thermomechanical properties of biodegradable PLA blends: for additive manufacturing process. Journal of Thermal Analysis and Calorimetry, 2020, 142, 715-722.	2.0	11
97	Piezoelectricity in the Intervertebral disc. Journal of Biomechanics, 2020, 102, 109622.	0.9	11
98	Morphological and spectroscopic analyses of poly[N-vinylcarbazole-co-vinylbenzenesulfonic acid] copolymer electrografted on carbon fiber: the effect of current density. Applied Surface Science, 2004, 229, 13-18.	3.1	10
99	The impact of heat treatment on interactions of contact-poled biphasic calcium phosphates with proteins and cells. Acta Biomaterialia, 2012, 8, 3468-3477.	4.1	10
100	Engineered nanomaterials: risk perception, regulation and insurance. Journal of Risk Research, 2016, 19, 444-460.	1.4	10
101	Nanoconfined water governs polarizationâ€related properties of selfâ€assembled peptide nanotubes. Nano Select, 2021, 2, 817-829.	1.9	10
102	Thickness and pore size dependence of coercivity for nanonetwork of iron produced by template synthesis. Journal of Applied Physics, 2002, 91, 7998.	1.1	9
103	Directly created electrostatic micro-domains on hydroxyapatite: probing with a Kelvin Force probe and a protein. Journal of Materials Science: Materials in Medicine, 2012, 23, 47-50.	1.7	9
104	Surface Charge and Carbon Contamination on an Electron-Beam-Irradiated Hydroxyapatite Thin Film Investigated by Photoluminescence and Phase Imaging in Atomic Force Microscopy. Microscopy and Microanalysis, 2014, 20, 586-595.	0.2	9
105	THIN NiTi WIRES WITH REDUCED THERMAL HYSTERESIS FOR SHAPE MEMORY ACTUATORS. Functional Materials Letters, 2012, 05, 1250009.	0.7	8
106	Physiological Role of Piezoelectricity in Biological Building Blocks. , 2016, , 237-251.		8
107	Radiopaque Shape Memory Alloys: NiTiâ€“Er with Stable Superelasticity. Shape Memory and Superelasticity, 2016, 2, 196-203.	1.1	8
108	APTES Duality and Nanopore Seed Regulation in Homogeneous and Nanoscale-Controlled Reduction of Ag Shell on SiO2 Microparticle for Quantifiable Single Particle SERS. ACS Omega, 2018, 3, 13028-13035.	1.6	8

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109	Piezoelectricity in the proteinogenic amino acid L-leucine: A novel piezoactive bioelectret. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1465-1468.	1.8	8
110	Nanoscale Characterization of Carbazoleâ€“Indole Copolymers Modified Carbon Fiber Surfaces. Journal of Nanoscience and Nanotechnology, 2005, 5, 1677-1682.	0.9	8
111	Pyroelectricity in Biological Materials and Biomaterials: A Five Decades Long Journey. Ferroelectrics, 2014, 472, 11-18.	0.3	7
112	Label free detection of specific protein binding using a microwave sensor. Analyst, The, 2014, 139, 5335-5338.	1.7	7
113	Empowering citizens in international governance of nanotechnologies. Journal of Nanoparticle Research, 2015, 17, 215.	0.8	7
114	Mapping electron-beam-injected trapped charge with scattering scanning near-field optical microscopy. Optics Letters, 2016, 41, 1046.	1.7	7
115	X-ray analyses of thermally grown and reactively sputtered tantalum oxide films on NiTi alloy. Nuclear Instruments & Methods in Physics Research B, 2012, 284, 49-52.	0.6	6
116	Spatial-domain filter enhanced subtraction microscopy and application to mid-IR imaging. Optics Express, 2017, 25, 13145.	1.7	6
117	Electric field DC conductivity dependency of polyimide films. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1440-1445.	1.8	6
118	MIR imaging bundles of ordered silver halide polycrystalline fibres for thermal transmission and imaging. Journal of Thermal Analysis and Calorimetry, 2020, 142, 245-253.	2.0	6
119	Multilayered Polyelectrolyte Microcapsules: Interaction with the Enzyme Cytochrome C Oxidase. PLoS ONE, 2014, 9, e112192.	1.1	6
120	Modulating vectored non-covalent interactions for layered assembly with engineerable properties. Bio-Design and Manufacturing, 2022, 5, 529-539.	3.9	6
121	Histological Injury to Rat Brain, Liver, and Kidneys by Gold Nanoparticles is Dose-Dependent. ACS Omega, 2022, 7, 20656-20665.	1.6	6
122	Spectroscopic and topographic characterization of the effect of monomer feed ratio in electrocopolymerization of N-vinylcarbazole-co-3-methylthiophene on carbon fiber. Journal of Materials Science, 2004, 39, 2945-2950.	1.7	5
123	Processing of Small Scale Nitinol Billets by Induction Heated Nonconventional Isothermal Extrusion (IHNCIE). Journal of Engineering Materials and Technology, Transactions of the ASME, 2011, 133, .	0.8	5
124	Surface potential patterning of hydroxyapatite films by focused electron beam: Influence of the electron energy. Applied Surface Science, 2013, 269, 184-187.	3.1	5
125	Static magnetic susceptibility of radiopaque NiTiPt and NiTiEr. Journal of Magnetism and Magnetic Materials, 2018, 452, 451-457.	1.0	5
126	Piezo and pyroelectricity in spark plasma sintered potassium sodium niobate (KNN) ceramics. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1428-1432.	1.8	5

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127	Influence of Nanoporosity and Roughness on the Thickness-Dependent Coercivity of Iron Nanonetworks. Monatshefte FÃ¼r Chemie, 2002, 133, 859-872.	0.9	4
128	Piezoelectricity in screen-printed hydroxyapatite thick films. Ferroelectrics, 2017, 509, 99-104.	0.3	4
129	The effect of water molecules on elastic and piezoelectric properties of diphenylalanine microtubes. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1474-1477.	1.8	4
130	Amorphous interface oxide formed due to high amount of Sm doping (5â€“20Âmol%) stabilizes finer size anatase and lowers indirect band gap. Applied Surface Science, 2020, 529, 146967.	3.1	4
131	On the preparation and characterization of thin NiTi shape memory alloy wires for MEMS. Frattura Ed Integrita Strutturale, 2013, 7, 7-12.	0.5	3
132	Image-Based Tracking of Anticancer Drug-Loaded Nanoengineered Polyelectrolyte Capsules in Cellular Environments Using a Fast Benchtop Mid-Infrared (MIR) Microscope. ACS Omega, 2018, 3, 6143-6150.	1.6	3
133	A practical approach for standardization of converse piezoelectric constants obtained from piezoresponse force microscopy. Journal of Applied Physics, 2021, 129, .	1.1	3
134	High temperature induced pyroelectricity in screen-printed Hydroxyapatite thick films. , 2011, , .		2
135	Hydroxyapatite surface charge investigated by scanning probe microscopy. , 2014, , .		2
136	Data on in vitro and in vivo cell orientation on substrates with different topographies. Data in Brief, 2015, 5, 379-382.	0.5	2
137	Detection of Protein Adsorption on Hydroxyapatite Using Electromagnetic Sensors. , 2016, , 269-278.		2
138	Polarisation changes in guided infrared thermography using silver halide poly-crystalline mid-infrared fibre bundle. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1115-1122.	2.0	2
139	Circular Polarization Conversion in Single Plasmonic Spherical Particles. Nano Letters, 2022, 22, 1504-1510.	4.5	2
140	Intracoronary Application of TiO2-Coated Cardiovascular Stents. , 2016, , 279-296.		1
141	Electro-bio-chemical Investigation by Integrated Hybrid Nanoscopes. , 2016, , 529-542.		1
142	Electrically Mediated Interactions at the Materials/Biology Interface. , 2016, , 1-18.		1
143	Label-free multimodal coherent anti-Stokes Raman scattering analysis of microparticles in unconstrained microfluidics. Applied Optics, 2018, 57, E32.	0.9	1
144	Piezoresponse force microscopy and electron backscattering diffraction of 90Â° ferroelectric twins in BaTiO₃ positive temperature co-efficient thermistors. Ferroelectrics, 2020, 559, 109-119.	0.3	1

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145	Dark Field and Coherent Anti-Stokes Raman (DF-CARS) Imaging of Cell Uptake of Core-Shell, Magnetic-Plasmonic Nanoparticles. Nanomaterials, 2021, 11, 685.	1.9	1
146	Probing Martensitic Transition in Nitinol Wire: A Comparison of X-ray Diffraction and Other Techniques. , 2011, , .		0
147	Low Temperature Poling and Piezoelectric Behaviour in Calcium Phosphates. , 2016, , 135-147.		0
148	Ferroelectricity in Synthetic Biomaterials: Hydroxyapatite and Polypeptides. , 2016, , 149-166.		0
149	Washable, Photosterilisable Antimicrobial Textiles. , 2016, , 317-332.		0
150	Antimicrobial Air Filters. , 2016, , 349-364.		0
151	Interaction of Bone Proteins and Cells with Electrostatic Domains on Hydroxyapatite Films. , 2016, , 405-416.		0
152	Label Free Infrared Nanoscopy: Impact on Biology and Medical Devices. , 2016, , 451-471.		0
153	Surface Texturing Design to Enhance Echogenicity of Biopsy Needles During Endoscopic Ultrasound Imaging. Ultrasound in Medicine and Biology, 2020, 46, 2453-2463.	0.7	0
154	Free standing tapes of donor doped BaTiO3 for multilayer positive temperature coefficient thermistors. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1650-1655.	1.8	0
155	Electrets and related phenomena. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1377-1378.	1.8	0
156	Free standing tapes of donor doped BaTiO₃ for multilayer positive temperature coefficient thermistors. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1650-1655.	1.8	0
157	Investigation of reconstructed three-dimensional active infrared thermography of buried defects: multiphysics finite elements modelling investigation with initial experimental validation. Journal of Thermal Analysis and Calorimetry, 2020, 142, 473-481.	2.0	0
158	Nanoscale topography, surface charge variation and defect correlation in 2â€“8Ânm thick functional alumina films. Applied Surface Science, 2020, 528, 146950.	3.1	0
159	Predictive Modeling of Ceramic Materials. , 2021, , 475-480.		0
160	A Selfâ€Powered Piezoâ€Bioelectric Device Regulates Tendon Repairâ€Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels (Adv. Mater. 40/2021). Advanced Materials, 2021, 33, 2170315.	11.1	0