

Xiaoming Tao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

518
papers

18,463
citations

67
h-index

117
g-index

631
ext. papers

21,447
ext. citations

5.2
avg, IF

7.16
L-index

#	Paper	IF	Citations
518	Solvent-free adhesive ionic elastomer for multifunctional stretchable electronics. <i>Nano Energy</i> , 2022 , 91, 106611	17.1	7
517	Ionic Hydrogel for Efficient and Scalable Moisture-Electric Generation.. <i>Advanced Materials</i> , 2022 , e2200693	17.3	9
516	Channel Modelling for V2V Highway Scenario Based on Birth and Death Process. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-9	1.9	0
515	An All-Fabric Droplet-Based Energy Harvester with Topology Optimization. <i>Advanced Energy Materials</i> , 2022 , 12, 2102991	21.8	6
514	Scalable production of ultrafine polyaniline fibres for tactile organic electrochemical transistors.. <i>Nature Communications</i> , 2022 , 13, 2101	17.4	7
513	Highly sensitive and stretchable fiber strain sensors empowered by synergetic conductive network of silver nanoparticles and carbon nanotubes. <i>Applied Materials Today</i> , 2021 , 25, 101221	6.6	3
512	The impact of dusk phenomenon on total glucose exposure in Chinese people with type 2 diabetes. <i>Medicine (United States)</i> , 2021 , 100, e25298	1.8	
511	Enhancing the Performance of Fabric-Based Triboelectric Nanogenerators by Structural and Chemical Modification. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16916-16927	9.5	23
510	Chitosan Natural Polymer Material for Improving Antibacterial Properties of Textiles.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4014-4038	4.1	14
509	Permeable and washable electronics based on polyamide fibrous membrane for wearable applications. <i>Composites Science and Technology</i> , 2021 , 207, 108729	8.6	6
508	Sensing mechanism of a carbon nanocomposite-printed fabric as a strain sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 144, 106350	8.4	6
507	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24945-24958	8.5	9
506	Piezocatalytic Foam for Highly Efficient Degradation of Aqueous Organics. <i>Small Science</i> , 2021 , 1, 2000011		9
505	Cleaner production of mulberry spun silk yarns via a shortened and gassing-free production route. <i>Journal of Cleaner Production</i> , 2021 , 278, 123690	10.3	5
504	Anonymization and De-Anonymization of Mobility Trajectories: Dissecting the Gaps Between Theory and Practice. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 796-815	4.6	4
503	Semantic Perceptual Image Compression With a Laplacian Pyramid of Convolutional Networks. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 4225-4237	8.7	3
502	Asymmetric Adaptive Modulation for Uplink NOMA Systems. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	2

501	Facile synthesis of copper selenides with different stoichiometric compositions and their thermoelectric performance at a low temperature range.. <i>RSC Advances</i> , 2021 , 11, 25955-25960	3.7	3
500	Modeling the stress and resistance relaxation of conductive composites-coated fabric strain sensors. <i>Composites Science and Technology</i> , 2021 , 204, 108645	8.6	4
499	Metal-free tellurene cocatalyst with tunable bandgap for enhanced photocatalytic hydrogen production. <i>Materials Today Energy</i> , 2021 , 21, 100720	7	8
498	Flexible stimuli-responsive materials for smart personal protective equipment. <i>Materials Science and Engineering Reports</i> , 2021 , 146, 100629	30.9	4
497	Wearable self-powered human motion sensors based on highly stretchable quasi-solid state hydrogel. <i>Nano Energy</i> , 2021 , 88, 106272	17.1	10
496	Materials in advanced design of personal protective equipment: a review. <i>Materials Today Advances</i> , 2021 , 12, 100171	7.4	4
495	Perceptual Quality Enhancement with Multi-scale Deep Learning for Video Transmission: A QoE Perspective. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021 , 26-40	0.2	
494	Saliency Prediction on Omnidirectional Image With Generative Adversarial Imitation Learning. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2087-2102	8.7	5
493	Deep Learning Based Channel Covariance Matrix Estimation with User Location and Scene Images. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	4
492	Enhancing the Performance of a Stretchable and Transparent Triboelectric Nanogenerator by Optimizing the Hydrogel Ionic Electrode Property. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23474-23483	9.5	39
491	Exploring the relationship between applied fabric strain and resultant local yarn strain within the elastic fabric based on finite element method. <i>Journal of Materials Science</i> , 2020 , 55, 10258-10270	4.3	3
490	Parametric modeling the human calves for evaluation and design of medical compression stockings. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 194, 105515	6.9	2
489	Representation Learning in Wireless Multimedia Communications. <i>IEEE Wireless Communications</i> , 2020 , 27, 44-50	13.4	
488	Silk and Silk Composite Aerogel-Based Biocompatible Triboelectric Nanogenerators for Efficient Energy Harvesting. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12399-12408	3.9	15
487	Wireless Multistimulus-Responsive Fabric-Based Actuators for Soft Robotic, Human-Machine Interactive, and Wearable Applications. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000341	6.8	9
486	A flexible semitransparent dual-electrode hydrogel based triboelectric nanogenerator with tough interfacial bonding and high energy output. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5752-5760	7.1	16
485	High-Performance Piezocomposite Energy Harvesters by Constructing Bionic Ion Channels. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000050	6.8	2
484	Latency Minimization for D2D-Enabled Partial Computation Offloading in Mobile Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4472-4486	6.8	62

483	EEG-Based Maritime Object Detection for IoT-Driven Surveillance Systems in Smart Ocean. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9678-9687	10.7	5
482	Programmable and Thermally Hardening Composite Yarn Actuators with a Wide Range of Operating Temperature. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000329	6.8	9
481	Predicting performance of fiber thermoelectric generator arrays in wearable electronic applications. <i>Nano Energy</i> , 2020 , 76, 105117	17.1	11
480	Toward Variable-Rate Generative Compression by Reducing the Channel Redundancy. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 1-1	6.4	4
479	Panoramic Image Generation: From 2-D Sketch to Spherical Image. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 194-208	7.5	5
478	Robustness evaluation of remote-sensing image feature detectors with TH priori-information data set. <i>China Communications</i> , 2020 , 17, 218-228	3	
477	Content-aware Facial Image Compression with Deep Learning Method 2020 ,		1
476	Smart bionic morphing leg mannequin for pressure assessment of compression garment. <i>Smart Materials and Structures</i> , 2020 , 29, 055041	3.4	3
475	Trace-Driven QoE-Aware Proactive Caching for Mobile Video Streaming in Metropolis. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 62-76	9.6	7
474	Recent advances in soft functional materials: preparation, functions and applications. <i>Nanoscale</i> , 2020 , 12, 1281-1306	7.7	35
473	Investigation into tensile hysteresis of polyurethane-containing textile substrates for coated strain sensors. <i>Materials and Design</i> , 2020 , 188, 108451	8.1	12
472	Thermally drawn advanced functional fibers: New frontier of flexible electronics. <i>Materials Today</i> , 2020 , 35, 168-194	21.8	74
471	Wearable strain sensors enabled by integrating one-dimensional polydopamine-enhanced graphene/polyurethane sensing fibers into textile structures. <i>Journal of Materials Science</i> , 2020 , 55, 17266-17283	4.3	53
470	A Ternary Dumbbell Structure with Spatially Separated Catalytic Sites for Photocatalytic Overall Water Splitting. <i>Advanced Science</i> , 2020 , 7, 1903568	13.6	42
469	Textile Electronics for VR/AR Applications. <i>Advanced Functional Materials</i> , 2020 , 31, 2007254	15.6	20
468	Mechanistic Study of Synergistic Antimicrobial Effects between Poly (3-hydroxybutyrate) Oligomer and Polyethylene Glycol. <i>Polymers</i> , 2020 , 12,	4.5	3
467	An elegant coupling: Freeze-casting and versatile polymer composites. <i>Progress in Polymer Science</i> , 2020 , 109, 101289	29.6	26
466	Robust Deposition of Silver Nanoparticles on Paper Assisted by Polydopamine for Green and Flexible Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12842-12851	8.3	14

465	Recent advances in wearable textile-based triboelectric generator systems for energy harvesting from human motion. <i>EcoMat</i> , 2020 , 2, e12054	9.4	26
464	A theoretical model to investigate the performance of cellulose yarns constrained to lie on a moving solid cylinder. <i>Cellulose</i> , 2020 , 27, 9683-9698	5.5	2
463	Iron-doped g-C3N4 modified CoMoO4 as an efficient heterogeneous catalyst to activate peroxymonosulfate for degradation of organic dye. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-14	1.5	1
462	Systematic investigation of twist generation and propagation in a modified ring spinning system. <i>Textile Reseach Journal</i> , 2020 , 90, 367-375	1.7	4
461	Smart Textile-Integrated Microelectronic Systems for Wearable Applications. <i>Advanced Materials</i> , 2020 , 32, e1901958	24	218
460	The design and development of an illuminated polymeric optical fibre (POF) knitted garment. <i>Journal of the Textile Institute</i> , 2020 , 111, 745-755	1.5	8
459	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 949-960	6.6	1
458	Yarn and fabric properties in a modified ring spinning system considering the effect of the friction surface of the false-twister. <i>Textile Reseach Journal</i> , 2020 , 90, 572-580	1.7	6
457	A DenseNet Based Approach for Multi-frame In-loop Filter in HEVC 2019 ,		10
456	Generalized Benders Decomposition to Secure Energy-Efficient Resource Allocation for Multiuser Full-Duplex Relay Cooperative Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10728-10741	6.8	2
455	Geometry-Aware GAN for Face Attribute Transfer. <i>IEEE Access</i> , 2019 , 7, 145953-145969	3.5	2
454	QoE-Oriented Multimedia Assessment: A Facial Expression Recognition Approach. <i>IEEE MultiMedia</i> , 2019 , 26, 41-50	2.1	3
453	Study of Fiber-Based Wearable Energy Systems. <i>Accounts of Chemical Research</i> , 2019 , 52, 307-315	24.3	53
452	QoE Driven Resource Allocation in Next Generation Wireless Networks. <i>IEEE Wireless Communications</i> , 2019 , 26, 78-85	13.4	10
451	Flexible film-based thermoelectric generators. <i>MRS Advances</i> , 2019 , 4, 1691-1697	0.7	1
450	Highly Sensitive and Durable Structured Fibre Sensors for Low-Pressure Measurement in Smart Skin. <i>Sensors</i> , 2019 , 19,	3.8	5
449	Dense Convolutional Networks for Semantic Segmentation. <i>IEEE Access</i> , 2019 , 7, 43369-43382	3.5	21
448	Shaddock peels-based activated carbon as cost-saving adsorbents for efficient removal of Cr (VI) and methyl orange. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 19828-19842	5.1	26

447	Multifunctional Smart Optical Fibers: Materials, Fabrication, and Sensing Applications. <i>Photonics</i> , 2019 , 6, 48	2.2	36
446	Optimizing QoE of Multiple Users over DASH: A Meta-learning Approach 2019 ,		1
445	Joint Minimization of Wired and Wireless Traffic for Content Delivery by Multicast Pushing. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 2828-2841	9.6	2
444	Learning QoE of Mobile Video Transmission With Deep Neural Network: A Data-Driven Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1337-1348	14.2	25
443	A New Antimicrobial Agent: Poly (3-hydroxybutyric acid) Oligomer. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800432	5.5	11
442	Facile synthesis of metal ion-cross-linked alginate electrode for efficient organic dye removal. <i>Ionics</i> , 2019 , 25, 1929-1941	2.7	1
441	TCF7L2 regulates pancreatic β cell function through PI3K/AKT signal pathway. <i>Diabetology and Metabolic Syndrome</i> , 2019 , 11, 55	5.6	9
440	Rebuffering Optimization for DASH via Pricing and EEG-Based QoE Modeling. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1549-1565	14.2	6
439	Peripheral Sensing: Monitoring Quality of Experience for Video Services Based on Mobile Terminals. <i>IEEE Access</i> , 2019 , 7, 92778-92790	3.5	
438	2D Materials Based Optoelectronic Memory: Convergence of Electronic Memory and Optical Sensor. <i>Research</i> , 2019 , 2019, 9490413	7.8	53
437	Monolithic Integration of All-in-One Supercapacitor for 3D Electronics. <i>Advanced Energy Materials</i> , 2019 , 9, 1900037	21.8	43
436	Triboelectric performances of self-powered, ultra-flexible and large-area poly(dimethylsiloxane)/Ag-coated chlon composites with a sandpaper-assisted surface microstructure. <i>Journal of Materials Science</i> , 2019 , 54, 7823-7833	4.3	6
435	A QoE-Based Alarm Model for Terminal Video Quality 2019 ,		1
434	2019 ,		2
433	Viewport Proposal CNN for 360° Video Quality Assessment 2019 ,		20
432	A highly durable textile-based sensor as a human-worn material interface for long-term multiple mechanical deformation sensing. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14651-14663	7.1	15
431	Geometry-Aware GAN for Face Attribute Transfer 2019 ,		1
430	Upper limits for output performance of contact-mode triboelectric nanogenerator systems. <i>Nano Energy</i> , 2019 , 57, 66-73	17.1	20

429	Challenges in Knitted E-textiles. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 129-135	0.4	1
428	Hierarchical supercapacitor electrodes based on metallized glass fiber for ultrahigh areal capacitance. <i>Energy Storage Materials</i> , 2019 , 20, 315-323	19.4	10
427	Joint 3-D Shape Estimation and Landmark Localization From Monocular Cameras of Intelligent Vehicles. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 15-25	10.7	2
426	Hyperspectral Image Denoising via Matrix Factorization and Deep Prior Regularization. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	24
425	High-performance graphdiyne-based electrochemical actuators. <i>Nature Communications</i> , 2018 , 9, 752	17.4	183
424	Design of Novel Wearable, Stretchable, and Waterproof Cable-Type Supercapacitors Based on High-Performance Nickel Cobalt Sulfide-Coated Etching-Annealed Yarn Electrodes. <i>Small</i> , 2018 , 14, e1704373	11.4	47
423	Highly Flexible, Large-Area, and Facile Textile-Based Hybrid Nanogenerator with Cascaded Piezoelectric and Triboelectric Units for Mechanical Energy Harvesting. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800016	6.8	47
422	A two-scale attention model for intelligent evaluation of yarn surface qualities with computer vision. <i>Journal of the Textile Institute</i> , 2018 , 109, 798-812	1.5	3
421	Visual information assisted UAV positioning using priori remote-sensing information. <i>Multimedia Tools and Applications</i> , 2018 , 77, 14461-14480	2.5	6
420	Full fabric sensing network with large deformation for continuous detection of skin temperature. <i>Smart Materials and Structures</i> , 2018 , 27, 105017	3.4	15
419	Hyperspectral and Multispectral Image Fusion Based on Low Rank Constrained Gaussian Mixture Model. <i>IEEE Access</i> , 2018 , 6, 16901-16910	3.5	6
418	Wearable strain sensing textile based on one-dimensional stretchable and weavable yarn sensors. <i>Nano Research</i> , 2018 , 11, 5799-5811	10	71
417	Saliency-Guided Complexity Control for HEVC Decoding. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 865-882	4.7	12
416	Robust Monocular 3D Car Shape Estimation From 2D Landmarks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 652-663	6.4	6
415	Study on properties of elastic core-spun yarns containing a mix of spandex and PET/PTT bi-component filament as core. <i>Textile Reseach Journal</i> , 2018 , 88, 1065-1076	1.7	19
414	Fiber packing density in the cross-section of low torque ring spun yarn. <i>Textile Reseach Journal</i> , 2018 , 88, 191-202	1.7	6
413	Variation of false twist on spinning process stability and resultant yarn properties in a modified ring spinning frame. <i>Textile Reseach Journal</i> , 2018 , 88, 1876-1892	1.7	7
412	Fiber-Based Thermoelectric Generators: Materials, Device Structures, Fabrication, Characterization, and Applications. <i>Advanced Energy Materials</i> , 2018 , 8, 1700524	21.8	79

411	Graphene-Bridged Multifunctional Flexible Fiber Supercapacitor with High Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28597-28607	9.5	59
410	Minimizing Freshwater Consumption in the Wash-Off Step in Textile Reactive Dyeing by Catalytic Ozonation with Carbon Aerogel Hosted Bimetallic Catalyst. <i>Polymers</i> , 2018 , 10,	4.5	9
409	Compression Garments for Medical Therapy and Sports. <i>Polymers</i> , 2018 , 10,	4.5	38
408	Hierarchical Multinomial Latent Model With G0 Distribution for Synthetic Aperture Radar Image Semantic Segmentation. <i>IEEE Access</i> , 2018 , 6, 31783-31797	3.5	6
407	Hierarchical objectness network for region proposal generation and object detection. <i>Pattern Recognition</i> , 2018 , 83, 260-272	7.7	19
406	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 1335-1349	6.6	10
405	Multi-Scale Convolutional Neural Network for SAR Image Semantic Segmentation 2018 ,		6
404	QoE-Oriented Rate Adaptation for DASH With Enhanced Deep Q-Learning. <i>IEEE Access</i> , 2018 , 1-1	3.5	17
403	Activated carbon-supported cobalt molybdate as a heterogeneous catalyst to activate peroxymonosulfate for removal of organic dyes. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4572	3.1	10
402	Fully Controllable Design and Fabrication of Three-Dimensional Lattice Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39839-39850	9.5	43
401	Defect-engineered reduced graphene oxide sheets with high electric conductivity and controlled thermal conductivity for soft and flexible wearable thermoelectric generators. <i>Nano Energy</i> , 2018 , 54, 163-174	17.1	64
400	Ultra-Flexible and Large-Area Textile-Based Triboelectric Nanogenerators with a Sandpaper-Induced Surface Microstructure. <i>Materials</i> , 2018 , 11,	3.5	19
399	Cuprous Oxide-Modified Diatomite Waste from the Brewery Used as an Effective Adsorbent for Removal of Organic Dye: Adsorption Performance, Kinetics and Mechanism Studies. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	7
398	Semantic Conditional Random Field for Object Based SAR Image Segmentation 2018 ,		1
397	Triboelectric charge density of porous and deformable fabrics made from polymer fibers. <i>Nano Energy</i> , 2018 , 53, 383-390	17.1	45
396	Adaptive Hierarchical Multinomial Latent Model With Hybrid Kernel Function for SAR Image Semantic Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 1-19	8.1	10
395	Breath Figure Micromolding Approach for Regulating the Microstructures of Polymeric Films for Triboelectric Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4988-4997	9.5	47
394	Graphene-Draped Semiconductors for Enhanced Photocorrosion Resistance and Photocatalytic Properties. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4144-4151	16.4	116

393	Electromechanical properties of a yarn strain sensor with graphene-sheath/polyurethane-core. <i>Carbon</i> , 2017 , 118, 686-698	10.4	87
392	Recent progress of fiber-shaped asymmetric supercapacitors. <i>Materials Today Energy</i> , 2017 , 5, 1-14	7	51
391	Three-Dimensionally Conformal Porous Microstructured Fabrics via Breath Figures: A Nature-Inspired Approach for Novel Surface Modification of Textiles. <i>Scientific Reports</i> , 2017 , 7, 2354	4.9	10
390	Low-dimensional carbon based sensors and sensing network for wearable health and environmental monitoring. <i>Carbon</i> , 2017 , 121, 353-367	10.4	67
389	Review of Flexible Temperature Sensing Networks for Wearable Physiological Monitoring. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601371	10.1	124
388	Relationship between healthy lifestyle behaviors and cardiovascular risk factors in Chinese patients with type 2 diabetes mellitus: a subanalysis of the CCMR-3B STUDY. <i>Acta Diabetologica</i> , 2017 , 54, 569-579	3.9	12
387	k-NN based bypass entropy and mutual information estimation for incremental remote-sensing image compressibility evaluation. <i>China Communications</i> , 2017 , 14, 54-62	3	1
386	Prior-Information-Based Remote Sensing Image Compression with Bayesian Dictionary Learning 2017 ,		2
385	A Bio-mechanical Model for Elbow Isokinetic and Isotonic Flexions. <i>Scientific Reports</i> , 2017 , 7, 8919	4.9	10
384	Bayesian Hyperspectral and Multispectral Image Fusions via Double Matrix Factorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5666-5678	8.1	15
383	Time and Strain-Rate Effects on Viscous Stress-Strain Behavior of Plasticine Material. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016115	3.1	10
382	Quantifying Energy Harvested from Contact-Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units. <i>Advanced Energy Materials</i> , 2017 , 7, 1601569	21.8	51
381	Properties and performances of fabrics made from bio-based and degradable polylactide acid/poly (hydroxybutyrate- co-hydroxyvalerate) (PLA/PHBV) filament yarns. <i>Textile Reseach Journal</i> , 2017 , 87, 2464-2474	1.7	12
380	Photodetectors Based on Two-Dimensional Layered Materials Beyond Graphene. <i>Advanced Functional Materials</i> , 2017 , 27, 1603886	15.6	406
379	Dyeing processes of 100% bio-based and degradable polylactide/poly (hydroxybutyrate-co-hydroxyvalerate) textiles. <i>Textile Reseach Journal</i> , 2017 , 87, 2066-2075	1.7	8
378	Hierarchical multinomial latent model with G0 distribution for remote sensing image semantic segmentation 2017 ,		3
377	2017 ,		2
376	A CNN based framework for stable image feature selection 2017 ,		3

375	Latency-Efficient Video Streaming in Metropolis: A Caching Framework 2017 ,		5
374	Association of the CETP gene TaqIB and D442G polymorphisms with essential hypertension in the Chinese Mongolian population. <i>Turkish Journal of Medical Sciences</i> , 2017 , 47, 599-606	2.7	
373	Poor Sleep Quality Is Associated with Dawn Phenomenon and Impaired Circadian Clock Gene Expression in Subjects with Type 2 Diabetes Mellitus. <i>International Journal of Endocrinology</i> , 2017 , 2017, 4578973	2.7	5
372	Mesoscale Modeling of Spallation Failure in Fiber-Reinforced Concrete Slab due to Impact Loading. <i>International Journal of Geomechanics</i> , 2016 , 16,	3.1	2
371	Catalytic ozonation of simulated textile dyeing wastewater using mesoporous carbon aerogel supported copper oxide catalyst. <i>Journal of Cleaner Production</i> , 2016 , 112, 4710-4718	10.3	133
370	Regeneration and reuse of highly polluting textile dyeing effluents through catalytic ozonation with carbon aerogel catalysts. <i>Journal of Cleaner Production</i> , 2016 , 137, 1055-1065	10.3	78
369	A high performance fiber-shaped PEDOT@MnO ₂ //C@Fe ₃ O ₄ asymmetric supercapacitor for wearable electronics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14877-14883	13	96
368	Association between socioeconomic status and metabolic control and diabetes complications: a cross-sectional nationwide study in Chinese adults with type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2016 , 15, 61	8.7	37
367	The THU multi-view face database for videoconferences and baseline evaluations. <i>Neurocomputing</i> , 2016 , 207, 48-59	5.4	4
366	Binary breath figures for straightforward and controllable self-assembly of microspherical caps. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13629-37	3.6	16
365	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 171-181	6.6	4
364	The association analysis polymorphism of CDKAL1 and diabetic retinopathy in Chinese Han population. <i>International Journal of Ophthalmology</i> , 2016 , 9, 707-12	1.4	12
363	Self-Powered Piezoionic Strain Sensor toward the Monitoring of Human Activities. <i>Small</i> , 2016 , 12, 5074-5080	11.8	68
362	A Fully Verified Theoretical Analysis of Contact-Mode Triboelectric Nanogenerators as a Wearable Power Source. <i>Advanced Energy Materials</i> , 2016 , 6, 1600505	21.8	89
361	Monitoring elbow isometric contraction by novel wearable fabric sensing device. <i>Smart Materials and Structures</i> , 2016 , 25, 125022	3.4	12
360	Mathematical Modeling of Yarn Dynamics in a Generalized Twisting System. <i>Scientific Reports</i> , 2016 , 6, 24432	4.9	13
359	Fast remote-sensing image registration using priori information and robust Feature extraction. <i>Tsinghua Science and Technology</i> , 2016 , 21, 552-560	3.4	3
358	The impact of float stitches on the resistance of conductive knitted structures. <i>Textile Reseach Journal</i> , 2016 , 86, 1455-1473	1.7	10

357	Risk-based adaptive metric learning for nearest neighbour classification. <i>Neurocomputing</i> , 2015 , 156, 33-41	5.4	6
356	Hybrid model-and-object-based real-time conversational video coding. <i>Signal Processing: Image Communication</i> , 2015 , 35, 9-19	2.8	3
355	An analysis of the association between a polymorphism of KCNJ11 and diabetic retinopathy in a Chinese Han population. <i>European Journal of Medical Research</i> , 2015 , 20, 3	4.8	10
354	Robust 2D principal component analysis: a structured sparsity regularized approach. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2515-26	8.7	19
353	Asphalt-assisted assembly of breath figures: a robust templating strategy for general fabrication of ordered porous polymer films. <i>RSC Advances</i> , 2015 , 5, 14341-14344	3.7	11
352	Handbook of Smart Textiles 2015 ,		35
351	Wrapper Fibers on Low-Twist Worsted Yarns. <i>Key Engineering Materials</i> , 2015 , 671, 497-502	0.4	1
350	A wearable and highly sensitive CO sensor with a macroscopic polyaniline nanofiber membrane. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24333-24337	13	27
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1	Ionic Thermoelectric Effect Inducing Cation-Enriched Surface of Hydrogel to Enhance Output Performance of Triboelectric Nanogenerator. <i>Energy Technology</i> ,2200070	3.5	2