

Jeffrey Bokor

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178
papers

10,496
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49
h-index

99
g-index

200
ext. papers

12,220
ext. citations

7.4
avg, IF

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L-index

#	Paper	IF	Citations
178	FinFET-a self-aligned double-gate MOSFET scalable to 20 nm. <i>IEEE Transactions on Electron Devices</i> , 2000 , 47, 2320-2325	2.9	1005
177	MoS2 transistors with 1-nanometer gate lengths. <i>Science</i> , 2016 , 354, 99-102	33.3	812
176	Gold nanoparticle self-similar chain structure organized by DNA origami. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3248-9	16.4	457
175	Direct measurement of nonequilibrium electron-energy distributions in subpicosecond laser-heated gold films. <i>Physical Review Letters</i> , 1992 , 68, 2834-2837	7.4	402
174	Electron thermalization in gold. <i>Physical Review B</i> , 1992 , 46, 13592-13595	3.3	397
173	Direct chemical vapor deposition of graphene on dielectric surfaces. <i>Nano Letters</i> , 2010 , 10, 1542-8	11.5	387
172	Diameter-dependent electron mobility of InAs nanowires. <i>Nano Letters</i> , 2009 , 9, 360-5	11.5	328
171	Formation of bandgap and subbands in graphene nanomeshes with sub-10 nm ribbon width fabricated via nanoimprint lithography. <i>Nano Letters</i> , 2010 , 10, 2454-60	11.5	267
170	Nanofocusing in a metal-insulator-metal gap plasmon waveguide with a three-dimensional linear taper. <i>Nature Photonics</i> , 2012 , 6, 838-844	33.9	252
169	Dynamic threshold-voltage MOSFET (DTMOS) for ultra-low voltage VLSI. <i>IEEE Transactions on Electron Devices</i> , 1997 , 44, 414-422	2.9	233
168	Short-channel field-effect transistors with 9-atom and 13-atom wide graphene nanoribbons. <i>Nature Communications</i> , 2017 , 8, 633	17.4	215
167	. <i>IEEE Transactions on Electron Devices</i> , 2001 , 48, 880-886	2.9	184
166	Bottom-up graphene nanoribbon field-effect transistors. <i>Applied Physics Letters</i> , 2013 , 103, 253114	3.4	178
165	Switching of perpendicularly polarized nanomagnets with spin orbit torque without an external magnetic field by engineering a tilted anisotropy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10310-5	11.5	162
164	. <i>Proceedings of the IEEE</i> , 2003 , 9, 1860-1873	14.3	157
163	Ultralow contact resistance between semimetal and monolayer semiconductors. <i>Nature</i> , 2021 , 593, 211-217	30.7	154
162	Fabrication of Sub-10-nm Silicon Nanowire Arrays by Size Reduction Lithography. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 3340-3343	3.4	153

161	Dopant profiling and surface analysis of silicon nanowires using capacitance-voltage measurements. <i>Nature Nanotechnology</i> , 2009 , 4, 311-4	28.7	145
160	Label-free DNA biosensors based on functionalized carbon nanotube field effect transistors. <i>Nano Letters</i> , 2009 , 9, 530-6	11.5	145
159	Sensitivity of double-gate and FinFET Devices to process variations. <i>IEEE Transactions on Electron Devices</i> , 2003 , 50, 2255-2261	2.9	143
158	Simulation studies of nanomagnet-based logic architecture. <i>Nano Letters</i> , 2008 , 8, 4173-8	11.5	137
157	Ultrathin-body SOI MOSFET for deep-sub-tenth micron era. <i>IEEE Electron Device Letters</i> , 2000 , 21, 254-255	4	134
156	Radiation engineering of optical antennas for maximum field enhancement. <i>Nano Letters</i> , 2011 , 11, 2606-10	6.19	129
155	Mapping local charge recombination heterogeneity by multidimensional nanospectroscopic imaging. <i>Science</i> , 2012 , 338, 1317-21	33.3	128
154	Chemical Raman enhancement of organic adsorbates on metal surfaces. <i>Physical Review Letters</i> , 2011 , 106, 083003	7.4	109
153	Mechanical elasticity of single and double clamped silicon nanobeams fabricated by the vapor-liquid-solid method. <i>Applied Physics Letters</i> , 2005 , 87, 053111	3.4	109
152	Monolithic Integration of Carbon Nanotube Devices with Silicon MOS Technology. <i>Nano Letters</i> , 2004 , 4, 123-127	11.5	105
151	Hyperspectral nanoscale imaging on dielectric substrates with coaxial optical antenna scan probes. <i>Nano Letters</i> , 2011 , 11, 1201-7	11.5	104
150	Sub-60-nm quasi-planar FinFETs fabricated using a simplified process. <i>IEEE Electron Device Letters</i> , 2001 , 22, 487-489	4.4	99
149	Complementary silicide source/drain thin-body MOSFETs for the 20 nm gate length regime		96
148	High-intensity terahertz pulses at 1-kHz repetition rate. <i>IEEE Journal of Quantum Electronics</i> , 1996 , 32, 1839-1846	2	91
147	Experimental test of Landauer's principle in single-bit operations on nanomagnetic memory bits. <i>Science Advances</i> , 2016 , 2, e1501492	14.3	85
146	Magneto-optical observation of picosecond dynamics of single nanomagnets. <i>Nano Letters</i> , 2006 , 6, 2939-44	11.5	83
145	Solid state quantum computer development in silicon with single ion implantation. <i>Journal of Applied Physics</i> , 2003 , 94, 7017-7024	2.5	83
144	A comparison study of symmetric ultrathin-body double-gate devices with metal source/drain and doped source/drain. <i>IEEE Transactions on Electron Devices</i> , 2005 , 52, 1859-1867	2.9	82

143	Ultrafast magnetization reversal by picosecond electrical pulses. <i>Science Advances</i> , 2017 , 3, e1603117	14.3	77
142	Exploring the thermodynamic limits of computation in integrated systems: magnetic memory, nanomagnetic logic, and the Landauer limit. <i>Physical Review Letters</i> , 2011 , 107, 010604	7.4	76
141	Electrically driven magnetic domain wall rotation in multiferroic heterostructures to manipulate suspended on-chip magnetic particles. <i>ACS Nano</i> , 2015 , 9, 4814-26	16.7	69
140	Short-channel transistors constructed with solution-processed carbon nanotubes. <i>ACS Nano</i> , 2013 , 7, 798-803	16.7	68
139	Direct observation of imprinted antiferromagnetic vortex states in CoO/Fe/Ag(001) discs. <i>Nature Physics</i> , 2011 , 7, 303-306	16.2	66
138	Multiphoton ultraviolet spectroscopy of some 6p levels in krypton. <i>Physical Review A</i> , 1980 , 21, 1453-1459	16.2	65
137	Electrical activation and electron spin coherence of ultralow dose antimony implants in silicon. <i>Applied Physics Letters</i> , 2006 , 88, 112101	3.4	64
136	Ultimate device scaling: Intrinsic performance comparisons of carbon-based, InGaAs, and Si field-effect transistors for 5 nm gate length 2011 ,		58
135	Gate length scaling and threshold voltage control of double-gate MOSFETs		57
134	Interface Engineering of Domain Structures in BiFeO Thin Films. <i>Nano Letters</i> , 2017 , 17, 486-493	11.5	52
133	Effect of diameter variation in a large set of carbon nanotube transistors. <i>Nano Letters</i> , 2006 , 6, 1364-8	11.5	52
132	Size dependent damping in picosecond dynamics of single nanomagnets. <i>Applied Physics Letters</i> , 2007 , 90, 202504	3.4	51
131	Plasmonic near-field probes: a comparison of the campanile geometry with other sharp tips. <i>Optics Express</i> , 2013 , 21, 8166-76	3.3	50
130	Deterministic Domain Wall Motion Orthogonal To Current Flow Due To Spin Orbit Torque. <i>Scientific Reports</i> , 2015 , 5, 11823	4.9	49
129	FinFET process refinements for improved mobility and gate work function engineering		49
128	Model for multishot all-thermal all-optical switching in ferromagnets. <i>Physical Review B</i> , 2016 , 94,	3.3	46
127	Role of electron and phonon temperatures in the helicity-independent all-optical switching of GdFeCo. <i>Physical Review B</i> , 2016 , 94,	3.3	43
126	Single shot ultrafast all optical magnetization switching of ferromagnetic Co/Pt multilayers. <i>Applied Physics Letters</i> , 2017 , 111, 042401	3.4	43

125	A simulation study of gate line edge roughness effects on doping profiles of short-channel MOSFET devices. <i>IEEE Transactions on Electron Devices</i> , 2004 , 51, 228-232	2.9	43
124	Extreme ultraviolet carrier-frequency shearing interferometry of a lithographic four-mirror optical system. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000 , 18, 2939		43
123	Electrical activation and electron spin resonance measurements of implanted bismuth in isotopically enriched silicon-28. <i>Applied Physics Letters</i> , 2012 , 100, 172104	3.4	41
122	Hydrogen annealing effect on DC and low-frequency noise characteristics in CMOS FinFETs. <i>IEEE Electron Device Letters</i> , 2003 , 24, 186-188	4.4	40
121	Investigation of NiSi and TiSi as CMOS gate materials. <i>IEEE Electron Device Letters</i> , 2003 , 24, 634-636	4.4	40
120	Investigation of Defects and Errors in Nanomagnetic Logic Circuits. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 760-762	2.6	39
119	Single atom doping for quantum device development in diamond and silicon. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 2596-2600		39
118	Nanoscale ultra-thin-body silicon-on-insulator P-MOSFET with a SiGe/Si heterostructure channel. <i>IEEE Electron Device Letters</i> , 2000 , 21, 161-163	4.4	39
117	Sub 50-nm FinFET: PMOS		39
116	Influence of Nonuniform Micron-Scale Strain Distributions on the Electrical Reorientation of Magnetic Microstructures in a Composite Multiferroic Heterostructure. <i>Nano Letters</i> , 2018 , 18, 1952-1961 ^{11.5}	11.5	36
115	Gate line-edge roughness effects in 50-nm bulk MOSFET devices 2002 , 4689, 733		36
114	Ultrafast magnetic switching of GdFeCo with electronic heat currents. <i>Physical Review B</i> , 2017 , 95,	3.3	34
113	Spin-dependent scattering off neutral antimony donors in Si ²⁸ field-effect transistors. <i>Applied Physics Letters</i> , 2007 , 91, 242106	3.4	34
112	Cavity-enhanced magneto-optical observation of magnetization reversal in individual single-domain nanomagnets. <i>Nano Letters</i> , 2005 , 5, 1413-7	11.5	34
111	Local negative permittivity and topological phase transition in polar skyrmions. <i>Nature Materials</i> , 2021 , 20, 194-201	27	33
110	Is gate line edge roughness a first-order issue in affecting the performance of deep sub-micro bulk MOSFET devices?. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2004 , 17, 357-361	2.6	29
109	Surface adhesion reduction in silicon microstructures using femtosecond laser pulses. <i>Applied Physics Letters</i> , 1996 , 68, 197-199	3.4	28
108	Detection of low energy single ion impacts in micron scale transistors at room temperature. <i>Applied Physics Letters</i> , 2007 , 91, 193502	3.4	26

107	Bi-directional coupling in strain-mediated multiferroic heterostructures with magnetic domains and domain wall motion. <i>Scientific Reports</i> , 2018 , 8, 5207	4.9	25
106	Design and fabrication of 50-nm thin-body p-MOSFETs with a SiGe heterostructure channel. <i>IEEE Transactions on Electron Devices</i> , 2002 , 49, 279-286	2.9	25
105	Ultrafast carrier dynamics on the Si(100)2 x 1 surface. <i>Physical Review B</i> , 1996 , 54, R17300-R17303	3.3	25
104	Progress towards ultrafast spintronics applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 502, 166478	2.8	24
103	Harnessing Chemical Raman Enhancement for Understanding Organic Adsorbate Binding on Metal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1357-62	6.4	23
102	Comparative study of solution-processed carbon nanotube network transistors. <i>Applied Physics Letters</i> , 2012 , 101, 112104	3.4	23
101	Sub-nanosecond signal propagation in anisotropy-engineered nanomagnetic logic chains. <i>Nature Communications</i> , 2015 , 6, 6466	17.4	22
100	Electrically detected magnetic resonance of neutral donors interacting with a two-dimensional electron gas. <i>Physical Review Letters</i> , 2011 , 106, 207601	7.4	22
99	Low-Temperature Side Contact to Carbon Nanotube Transistors: Resistance Distributions Down to 10 nm Contact Length. <i>Nano Letters</i> , 2019 , 19, 1083-1089	11.5	21
98	High-field transport of inversion-layer electrons and holes including velocity overshoot. <i>IEEE Transactions on Electron Devices</i> , 1997 , 44, 664-671	2.9	20
97	Spin-orbit torque switching of a ferromagnet with picosecond electrical pulses. <i>Nature Electronics</i> , 2020 , 3, 680-686	28.4	20
96	Electric current induced ultrafast demagnetization. <i>Physical Review B</i> , 2017 , 96,	3.3	19
95	Cascade-like signal propagation in chains of concave nanomagnets. <i>Applied Physics Letters</i> , 2012 , 100, 152406	3.4	19
94	Manipulating magnetoelectric energy landscape in multiferroics. <i>Nature Communications</i> , 2020 , 11, 283617.4	18	
93	Ultrafast magnetization switching in nanoscale magnetic dots. <i>Applied Physics Letters</i> , 2019 , 114, 232407.4	18	
92	Detection of nanomechanical vibrations by dynamic force microscopy in higher cantilever eigenmodes. <i>Applied Physics Letters</i> , 2007 , 91, 053116	3.4	18
91	Toward Intrinsic Ferroelectric Switching in Multiferroic BiFeO ₃ . <i>Physical Review Letters</i> , 2020 , 125, 067601	7.4	18
90	High-performance thin-film transistors produced from highly separated solution-processed carbon nanotubes. <i>Applied Physics Letters</i> , 2014 , 104, 143508	3.4	17

89	Characterization of the junction capacitance of metal-semiconductor carbon nanotube Schottky contacts. <i>Applied Physics Letters</i> , 2010 , 96, 013103	3.4	17
88	Detecting single nanomagnet dynamics beyond the diffraction limit in varying magnetostatic environments. <i>Applied Physics Letters</i> , 2011 , 98, 052502	3.4	17
87	High field hole velocity and velocity overshoot in silicon inversion layers. <i>IEEE Electron Device Letters</i> , 1997 , 18, 54-56	4.4	17
86	Optimization of nano-magneto-optic sensitivity using dual dielectric layer enhancement. <i>Applied Physics Letters</i> , 2007 , 90, 252504	3.4	17
85	Electronic anabolic steroid recognition with carbon nanotube field-effect transistors. <i>ACS Nano</i> , 2010 , 4, 1473-80	16.7	16
84	Critical issues in the formation of quantum computer test structures by ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 2563-2566	1.2	16
83	Negative Differential Resistance and Steep Switching in Chevron Graphene Nanoribbon Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2018 , 39, 143-146	4.4	15
82	Stark shift and field ionization of arsenic donors in 28Si-silicon-on-insulator structures. <i>Applied Physics Letters</i> , 2014 , 104, 193502	3.4	15
81	Low-frequency noise characteristics in p-channel FinFETs. <i>IEEE Electron Device Letters</i> , 2002 , 23, 722-724	4.4	15
80	Remote charge scattering in MOSFETs with ultra-thin gate dielectrics		15
79	Picosecond ultrasonic study of Mo/Si multilayer structures using an alternating-pump technique. <i>Applied Physics Letters</i> , 1999 , 74, 320-322	3.4	15
78	Deterministic multi-step rotation of magnetic single-domain state in Nickel nanodisks using multiferroic magnetoelastic coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 439, 196-202	2.8	14
77	Streptavidin as CNTs and DNA Linker for the Specific Electronic and Optical Detection of DNA Hybridization. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22579-22586	3.8	14
76	Role of element-specific damping in ultrafast, helicity-independent, all-optical switching dynamics in amorphous (Gd,Tb)Co thin films. <i>Physical Review B</i> , 2021 , 103,	3.3	14
75	Enhanced magnetoelectric coupling in a composite multiferroic system via interposing a thin film polymer. <i>AIP Advances</i> , 2018 , 8, 055907	1.5	13
74	Concave nanomagnets: investigation of anisotropy properties and applications to nanomagnetic logic. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 413-421	2.6	13
73	Spin-dependent scattering in a silicon transistor. <i>Physical Review B</i> , 2009 , 80,	3.3	13
72	Minimum critical defects in extreme-ultraviolet lithography masks. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1997 , 15, 2467		13

71	AC output conductance of SOI MOSFETs and impact on analog applications. <i>IEEE Electron Device Letters</i> , 1997 , 18, 36-38	4.4	13
70	Ion implantation with scanning probe alignment. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 2798		13
69	Ultra-thin body SOI MOSFET for deep-sub-tenth micron era		13
68	Channel doping engineering of MOSFET with adaptable threshold voltage using body effect for low voltage and low power applications		13
67	3D multilevel spin transfer torque devices. <i>Applied Physics Letters</i> , 2018 , 112, 112402	3.4	12
66	FinFET-a quasi-planar double-gate MOSFET		12
65	MOSFETs with 9 to 13 Å thick gate oxides		12
64	Highly uniform carbon nanotube nanomesh network transistors. <i>Nano Research</i> , 2015 , 8, 1320-1326	10	11
63	Improved single ion implantation with scanning probe alignment. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012 , 30, 06FD04	1.3	11
62	Tunable Magnetoelastic Effects in Voltage-Controlled Exchange-Coupled Composite Multiferroic Microstructures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6752-6760	9.5	10
61	Disk-shaped magnetic particles for cancer therapy. <i>Applied Physics Reviews</i> , 2020 , 7, 011306	17.3	10
60	All-electrical nuclear spin polarization of donors in silicon. <i>Physical Review Letters</i> , 2013 , 110, 057601	7.4	10
59	Single ion implantation with scanning probe alignment. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 2992		10
58	30 nm ultra-thin-body SOI MOSFET with selectively deposited Ge raised S/D		10
57	ArF laser photolysis of OCSe. II. Effect of vibrational excitation on Se(1S) quantum yields. <i>Journal of Chemical Physics</i> , 1979 , 70, 5593-5597	3.9	10
56	The Physics of Spin-Transfer Torque Switching in Magnetic Tunneling Junctions in Sub-10 nm Size Range. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	9
55	Computing in Thermal Equilibrium With Dipole-Coupled Nanomagnets. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 1401-1404	2.6	9
54	Strategies for integration of donor electron spin qubits in silicon. <i>Microelectronic Engineering</i> , 2006 , 83, 1814-1817	2.5	9

53	Low-frequency noise characteristics of ultrathin body p-MOSFETs with molybdenum gate. <i>IEEE Electron Device Letters</i> , 2003 , 24, 31-33	4.4	9
52	Design analysis of thin-body silicide source/drain devices		9
51	Quasi-planar NMOS FinFETs with sub-100 nm gate lengths		9
50	Statistically meaningful measure of domain-wall roughness in magnetic thin films. <i>Physical Review B</i> , 2020 , 101,	3.3	8
49	Mapping of ion beam induced current changes in FinFETs. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 1222-1225	1.2	8
48	Mode shape imaging of out-of-plane and in-plane vibrating RF micromechanical resonators by atomic force microscopy. <i>Microelectronic Engineering</i> , 2007 , 84, 1354-1357	2.5	8
47	Characterization of the ultrathin vertical channel CMOS technology. <i>IEEE Transactions on Electron Devices</i> , 2004 , 51, 106-112	2.9	8
46	Doppler-free spectroscopy of the \bar{Q} band in $^{14}\text{NH}_3$: Application to 16-th generation. <i>Journal of Applied Physics</i> , 1979 , 50, 4541-4544	2.5	8
45	Unifying femtosecond and picosecond single-pulse magnetic switching in Gd-Fe-Co. <i>Physical Review B</i> , 2021 , 103,	3.3	8
44	Direct optical detection of current induced spin accumulation in metals by magnetization-induced second harmonic generation. <i>Applied Physics Letters</i> , 2015 , 107, 152404	3.4	7
43	Deterministic doping and the exploration of spin qubits 2015 ,		7
42	Device fabrication and transport measurements of FinFETs built with ^{28}Si SOI wafers toward donor qubits in silicon. <i>Semiconductor Science and Technology</i> , 2009 , 24, 105022	1.8	7
41	Electrically controlled switching of the magnetization state in multiferroic $\text{BaTiO}_3/\text{CoFe}$ submicrometer structures. <i>Physical Review Materials</i> , 2018 , 2,	3.2	7
40	Electrically detected magnetic resonance in a W-band microwave cavity. <i>Review of Scientific Instruments</i> , 2011 , 82, 034704	1.7	6
39	DNA directed assembly of nanoparticle linear structure for nanophotonics. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 184		6
38	Nondestructive picosecond-ultrasonic characterization of Mo/Si extreme ultraviolet multilayer reflection coatings. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999 , 17, 3014		6
37	Effects of Interface Induced Natural Strains on Magnetic Properties of FeRh. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
36	Reliability study of CMOS FinFETs		5

35	Structural optimization of SUTBDG devices for low-power applications. <i>IEEE Transactions on Electron Devices</i> , 2005 , 52, 360-366	2.9	5
34	Scanning acoustic force microscopy characterization of thermal expansion effects on the electromechanical properties of film bulk acoustic resonators. <i>Applied Physics Letters</i> , 2005 , 86, 084102	3.4	5
33	Cytocompatible magnetostrictive microstructures for nano- and microparticle manipulation on linear strain response piezoelectrics. <i>Multifunctional Materials</i> , 2018 , 1, 014004	5.2	5
32	Intrinsic Controllable Magnetism of Graphene Grown on Fe. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26870-26876	3.8	4
31	A bulk-Si-compatible ultrathin-body SOI technology for sub-100 nm MOSFETs		4
30	A Dual Magnetic Tunnel Junction-Based Neuromorphic Device. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000143	6	4
29	Synergetic Bottom-Up Synthesis of Graphene Nanoribbons by Matrix-Assisted Direct Transfer. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4174-4178	16.4	4
28	Single-Domain Multiferroic Array-Addressable Terfenol-D (SMaT) Micromagnets for Programmable Single-Cell Capture and Release. <i>Advanced Materials</i> , 2021 , 33, e2006651	24	4
27	Transfer-Free Synthesis of Atomically Precise Graphene Nanoribbons on Insulating Substrates. <i>ACS Nano</i> , 2021 , 15, 2635-2642	16.7	4
26	Design Requirements for a Spintronic MTJ Logic Device for Pipelined Logic Applications. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 1754-1761	2.9	3
25	Sensitive detection of laser damage to Mo/Si multilayers by picosecond ultrasonics. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 107-112	1.9	3
24	60 nm planarized ultra-thin body solid phase epitaxy MOSFETs		3
23	Noncontact probing of metal-oxide-semiconductor inversion layer mobility. <i>Applied Physics Letters</i> , 1996 , 69, 1779-1780	3.4	3
22	RKKY Exchange Bias Mediated Ultrafast All-Optical Switching of a Ferromagnet. <i>Advanced Functional Materials</i> , 2107490	15.6	3
21	Localized strain profile in surface electrode array for programmable composite multiferroic devices. <i>Applied Physics Letters</i> , 2021 , 118, 182901	3.4	3
20	Self-assembled single-digit nanometer memory cells. <i>Applied Physics Letters</i> , 2018 , 113, 062404	3.4	2
19	Signal propagation in dipole coupled nanomagnets for logic applications 2012 ,		2
18	Mechanical detection and mode shape imaging of vibrational modes of micro and nanomechanical resonators by dynamic force microscopy. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 052009	0.3	2

17	Advanced lithography for ULSI. <i>IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems</i> , 1996 , 12, 11-15		2
16	Engineering new limits to magnetostriction through metastability in iron-gallium alloys. <i>Nature Communications</i> , 2021 , 12, 2757	17.4	2
15	Progress toward picosecond on-chip magnetic memory. <i>Applied Physics Letters</i> , 2022 , 120, 140501	3.4	2
14	Nanomagnetic Particle-Based Information Processing. <i>IEEE Nanotechnology Magazine</i> , 2019 , 18, 983-988	2.6	1
13	Demonstration of spin transfer torque (STT) magnetic recording. <i>Applied Physics Letters</i> , 2019 , 114, 243104	1	1
12	Error immunity techniques for nanomagnetic logic 2012 ,		1
11	Time-resolved reflectivity measurement of thermally stabilized low temperature grown GaAs doped with beryllium		1
10	Bottom-Up Synthesized Nanoporous Graphene Transistors (Adv. Funct. Mater. 47/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170348	15.6	1
9	ULTRAFAST HOT ELECTRON RELAXATION IN METALS. <i>Advanced Series in Physical Chemistry</i> , 1995 , 327-346		1
8	Single-Cell Manipulation: Single-Domain Multiferroic Array-Addressable Terfenol-D (SMART) Micromagnets for Programmable Single-Cell Capture and Release (Adv. Mater. 20/2021). <i>Advanced Materials</i> , 2021 , 33, 2170159	24	1
7	Electric-field controlled magnetic reorientation in exchange coupled CoFeB/Ni bilayer microstructures. <i>Journal of Physics: Conference Series</i> , 2019 , 1407, 012024	0.3	1
6	Influence of dislocations and twin walls in BaTiO ₃ on the voltage-controlled switching of perpendicular magnetization. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
5	Bottom-Up Synthesized Nanoporous Graphene Transistors. <i>Advanced Functional Materials</i> , 2021 , 31, 2103798	15.6	1
4	Magnetic state switching in FeGa microstructures. <i>Smart Materials and Structures</i> , 2022 , 31, 035005	3.4	0
3	Thermal Stabilization of Non-Stoichiometric GaAs through Beryllium Doping. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 510, 55		
2	Observation of the Thermalization of Electrons in a Metal Excited by Femtosecond Optical Pulses. <i>Springer Series in Chemical Physics</i> , 1993 , 331-334	0.3	
1	Time-Resolved Photo-Emission Electron Microscopy of Nanomagnetic Logic Chains. <i>Springer Proceedings in Physics</i> , 2015 , 281-283	0.2	