Kihong Kim

List of Publications by Year
in descending order

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135 papers	1,474 citations	394421 19 h-index	361022 35 g-index
135 all docs	135 docs citations	135 times ranked	1304 citing authors

#	Article	IF	Citations
1	Numerical study of the transverse localization of waves in one-dimensional lattices with randomly distributed gain and loss: effect of disorder correlations. Waves in Random and Complex Media, 2022, 32, 390-405.	2.7	4
2	Mode conversion and resonant absorption in inhomogeneous materials with flat bands. Physical Review B, 2022, 105, .	3.2	3
3	Metaverse in journal publishing. Science Editing, 2022, 9, 1-2.	0.8	4
4	Control of localization and optical properties with deep-subwavelength engineered disorder. Optics Express, 2022, 30, 28301.	3.4	2
5	2021 Council of Science Editors annual meeting. Science Editing, 2021, 8, 177-179.	0.8	0
6	Academic research during and after the COVID-19 pandemic. Science Editing, 2021, 8, 131-133.	0.8	0
7	Mode conversion of extraordinary waves in stratified plasmas with an external magnetic field perpendicular to the directions of inhomogeneity and wave propagation. Journal of the Korean Physical Society, 2021, 79, 717.	0.7	1
8	Anomalous localization enhancement in one-dimensional non-Hermitian disordered lattices. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 045003.	2.1	6
9	Omnidirectional excitation of surface waves and super-Klein tunneling at the interface between two different bi-isotropic media. Physical Review B, 2020, 101, .	3.2	2
10	Plan S. Science Editing, 2020, 7, 78-79.	0.8	2
11	COVID-19 and publishing. Science Editing, 2020, 7, 109-110.	0.8	2
12	Plans towards open access. Science Editing, 2020, 7, 4-5.	0.8	0
13	Anderson localization of two-dimensional massless pseudospin-1 Dirac particles in a correlated random one-dimensional scalar potential. Physical Review B, 2019, 100, .	3.2	13
14	Super-Klein tunneling of Klein-Gordon particles. Results in Physics, 2019, 12, 1391-1394.	4.1	10
15	Anderson localization and Brewster anomaly of electromagnetic waves in randomly-stratified anisotropic media. Materials Research Express, 2019, 6, 085803.	1.6	2
16	Direct calculation of the strong Goosâ€“HÃnchen effect of a Gaussian light beam due to the excitation of surface plasmon polaritons in the Otto configuration. Journal of Optics (United Kingdom), 2019, 21, 035006.	2.2	1
17	Anderson localization and delocalization of massless two-dimensional Dirac electrons in random one-dimensional scalar and vector potentials. Physical Review B, 2019, 99, .	3.2	10
18	Bibliographic and content analysis of physics papers from North Korea indexed in the Scopus from 2005 to 2018. Science Editing, 2019, 6, 35-40.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Artificial intelligence and publishing. Science Editing, 2019, 6, 89-90.	0.8	4
20	Implementing the Principles of Transparency and Best Practice in Scholarly Publishing. Science Editing, 2019, 6, 1-2.	0.8	1
21	Overview of journal metrics. Science Editing, 2018, 5, 16-20.	0.8	21
22	Science Editing is indexed in the Scopus. Science Editing, 2018, 5, 1-1.	0.8	1
23	Open data policy of Science Editing. Science Editing, 2018, 5, 91-91.	0.8	2
24	Anderson localization and saturable nonlinearity in one-dimensional disordered lattices. Journal of Modern Optics, 2017, 64, 1923-1929.	1.3	2
25	Exact localization length for s-polarized electromagnetic waves incident at the critical angle on a randomly-stratified dielectric medium. Optics Express, 2017, 25, 28752.	3.4	6
26	Resonant absorption of electromagnetic waves in transition anisotropic media. Optics Express, 2017, 25, 30162.	3.4	3
27	Giant enhancement of reflectance due to the interplay between surface confined wave modes and nonlinear gain in dielectric media. Optics Express, 2017, 25, 31816.	3.4	7
28	Open Access and the Future of Scholarly Communication: Policy and Infrastructure Open Access and the Future of Scholarly Communication: Implementation. Science Editing, 2017, 4, 46-47.	0.8	0
29	Can we improve the peer review system?. Science Editing, 2017, 4, 1-2.	0.8	1
30	Rapid growth of international collaboration from articles indexed in Scopus database by researchers in Korea from 2006 to 2015. Science Editing, 2017, 4, 18-23.	0.8	1
31	Science Editing is now indexed in the Emerging Sources Citation Index. Science Editing, 2017, 4, 55-55.	0.8	1
32	Transport and localization of waves in ladder-shaped lattices with locally <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric potentials. Physical Review A, 2016, 94, .	2.5	9
33	Invariant imbedding theory of wave propagation in stratified anisotropic media. , 2016, , .		0
34	Invariant imbedding theory of wave propagation in arbitrarily inhomogeneous stratified bi-isotropic media. Journal of Optics (United Kingdom), 2016, 18, 065605.	2.2	14
35	Excitation of surface waves on the interfaces of general bi-isotropic media. Optics Express, 2016, 24, 15882.	3.4	3
36	Resonant absorption and amplification of circularly-polarized waves in inhomogeneous chiral media. Optics Express, 2016, 24, 1794.	3.4	11

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37	Transient super-ballistic spreading of wave packets with large spreading exponents in some hybrid ordered-quasiperiodic lattices. Journal of the Korean Physical Society, 2016, 68, 387-392.	0.7	3
38	Broadband wide-angle absorption enhancement due to mode conversion in cold unmagnetized plasmas with periodic density variations. Physics of Plasmas, 2016, 23, .	1.9	5
39	Open access publishing in the internet age. Science Editing, 2016, 3, 1-2.	0.8	2
40	Patterns of citation when Korean scientists cite other Korean scientists. Science Editing, 2016, 3, 90-93.	0.8	1
41	Key references. Science Editing, 2016, 3, 65-66.	0.8	0
42	Increasing number of authors per paper in Korean science and technology papers. Science Editing, 2016, 3, 80-89.	0.8	6
43	Resonant absorption and amplification of EM waves in stratified chiral media. , 2015, , .		0
44	Mode conversion and resonant absorption of electromagnetic waves in inhomogeneous chiral media. , 2015, , .		0
45	Large enhancement of nonlinear Goos-HÃnchen shifts and optical bistability due to surface plasmon excitations. Journal of the Korean Physical Society, 2015, 67, 2092-2095.	0.7	6
46	Anderson localization of electromagnetic waves in randomly-stratified magnetodielectric media with uniform impedance. Optics Express, 2015, 23, 14520.	3.4	9
47	Large enhancement of nonlinear Goos-HÃnchen shifts and optical bistability due to surface plasmon excitations. , 2015, , .		0
48	2014 CrossRef annual meeting and workshops. Science Editing, 2015, 2, 41-43.	0.8	1
49	Academic journals and cultural diversity. Science Editing, 2015, 2, 1-2.	0.8	0
50	Some thoughts on authorship. Science Editing, 2015, 2, 53-54.	0.8	1
51	Propagation of optical vortex beams and nucleation of vortex-antivortex pairs in disordered nonlinear photonic lattices. Journal of the Korean Physical Society, 2014, 65, 2040-2044.	0.7	2
52	Enhanced optical phase conjugation in nonlinear metamaterials. Optics Express, 2014, 22, A1744.	3.4	5
53	Defect modes in a one-dimensional photonic crystal with a chiral defect layer. Optical Materials Express, 2014, 4, 2542.	3.0	29
54	Wave-packet dynamics in one-dimensional nonlinear SchrÃ¶dinger lattices: Local vs. Nonlocal nonlinear effects. Journal of the Korean Physical Society, 2014, 64, 355-361.	0.7	0

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55	Invariant imbedding theory for the scattering and absorption of electromagnetic waves by spherical bodies. Journal of the Korean Physical Society, 2014, 64, 1120-1127.	0.7	1
56	Transmission, reflection and localization of waves in one-dimensional amplifying media with nonlinear gain. Journal of the Korean Physical Society, 2014, 64, 1665-1670.	0.7	2
57	Editing and publishing scholarly journals in the internet age. Science Editing, 2014, 1, 2-3.	0.8	1
58	Science editing and publishing in Asia. Science Editing, 2014, 1, 51-51.	0.8	1
59	New microarchitectures of (Er,Yb):Lu2O3 nanocrystals embedded in PMMA: synthesis, structural characterization, and luminescent properties. Nanoscale Research Letters, 2013, 8, 385.	5.7	4
60	Nucleation of optical vortex pairs in disordered nonlinear 2D photonic lattices. , 2013, , .		0
61	Evaluation of the third-order optical nonlinearity of Au:SiO2 nanocomposites in the off-resonant spectral region. Optics Communications, 2013, 286, 347-352.	2.1	8
62	Enhanced Nonlinear Optical Effects due to the Excitation of Optical Tamm Plasmon Polaritons in a One-Dimensional Metal-Photonic Crystal Structure. , 2013, , .		0
63	Enhanced nonlinear optical effects due to the excitation of optical Tamm plasmon polaritons in one-dimensional photonic crystal structures. Optics Express, 2013, 21, 28817.	3.4	63
64	Effects of a random spatial variation of the plasma density on the mode conversion in cold, unmagnetized, and stratified plasmas. Physics of Plasmas, 2013, 20, 122104.	1.9	13
65	Temperature dependence of mode conversion in warm, unmagnetized plasmas with a linear density profile. Physics of Plasmas, 2013, 20, .	1.9	10
66	Graphene-filled hollow optical fiber saturable absorber for efficient soliton fiber laser mode-locking. Optics Express, 2012, 20, 5652.	3.4	87
67	Influence of laser lift-off on optical and structural properties of InGaN/GaN vertical blue light emitting diodes. AIP Advances, 2012, 2, .	1.3	24
68	1.34 Î¼m Nd:YVO4 laser mode-locked by a single-walled carbon nanotube saturable absorber. Proceedings of SPIE, 2012, , .	0.8	3
69	Phase of the transmission coefficient of waves in one-dimensional random media. Journal of the Korean Physical Society, 2012, 60, 1028-1031.	0.7	1
70	Anomalously suppressed localization in the two-channel Anderson model. Journal of Physics Condensed Matter, 2012, 24, 135303.	1.8	10
71	Transmission resonance induced by a Î´â€like defect in the Fanoâ€“Anderson model with two Fano defects. Physica Status Solidi (B): Basic Research, 2012, 249, 1765-1770.	1.5	2
72	Nonreciprocal frequency doubling of electromagnetic waves through double resonance and Bragg reflection in photonic crystals. Current Applied Physics, 2012, 12, 214-218.	2.4	0

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73	í•™ìˆ§€ë¥¼ í‰ê°€í•œ ë‹¤ì–‘í•œ ì§€í˜œ, ê·¸ íŠ¹ì§•ê³¼ ë¬¸ìœ¨ Gwahak Pyeonjip, 2012, 1, 34-39.	0.1	1
74	Single-walled carbon nanotube saturable absorber assisted high-power mode-locking of a Ti:sapphire laser. Optics Express, 2011, 19, 7833.	3.4	54
75	Universal shift of the Brewster angle and disorder-enhanced delocalization of p waves in stratified random media. Optics Express, 2011, 19, 20817.	3.4	11
76	High-quality, large-area monolayer graphene for efficient bulk laser mode-locking near 125â€‰Î¼m. Optics Letters, 2011, 36, 4089.	3.3	128
77	Enhanced localization of waves in one-dimensional random media due to nonlinearity: Fixed input case. Physica B: Condensed Matter, 2011, 406, 4535-4537.	2.7	6
78	Influence of weak nonlinearity on the 1D Anderson model with long-range correlated disorder. European Physical Journal B, 2011, 84, 79-82.	1.5	9
79	Mode conversion in a randomly-stratified unmagnetized plasma. , 2011, , .		0
80	Propagation of light in stratified media with optical Kerr nonlinearity under external electric fields. Journal of Optics (United Kingdom), 2011, 13, 105103.	2.2	0
81	Invariant Imbedding Approach for Electromagnetic Scattering from Cylindrical Bodies with Metamaterial Coatings. Journal of the Korean Physical Society, 2011, 59, 39-46.	0.7	2
82	The Effects of Bandpass Filtering on the Dissipative Soliton Generation in a Passively Mode-locked Fiber Laser. Journal of the Korean Physical Society, 2011, 59, 257-261.	0.7	0
83	Resonant enhancement of mode conversion in unmagnetized plasmas due to a periodic density modulation superimposed on a linear electron density profile. Physics of Plasmas, 2010, 17, .	1.9	15
84	Increasing the orbital angular momentum of a fractal beam. , 2010, , .		2
85	Ultra-Broadband (> 500 nm) Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of Bulk Solid-State Lasers. , 2010, , .		0
86	Trace map method for calculating the optical properties of quasiperiodic multilayer structures. , 2009, , .		0
87	Fluctuation effects on the optical conductivity of quasi-one-dimensional Peierls Systems. Current Applied Physics, 2009, 9, S128-S130.	2.4	0
88	Localization of electromagnetic waves in one-dimensional nonlinear random media. , 2009, , .		0
89	Computational design of one-dimensional nonlinear photonic crystals with material dispersion for efficient second-harmonic generation. Optics Express, 2009, 17, 19075.	3.4	8
90	Enhanced ultrafast optical nonlinearity of porous anodized aluminum oxide nanostructures. Optics Express, 2009, 17, 19093.	3.4	14

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91	Interplay between mode conversion and surface wave excitation phenomena in a transition layer between positive and negative index media. , 2009, , .		0
92	Second harmonic generation in one-dimensional photonic crystals with material dispersion. , 2009, , .		0
93	Enhanced optical nonlinearity due to surface plasmon excitations in thin metal films. , 2009, , .		0
94	Surface Plasmon Excitation in Fibonacci Metal-Dielectric Multilayers. Journal of Computational and Theoretical Nanoscience, 2009, 6, 2054-2059.	0.4	2
95	Fabrication and characterization of ultrafast carbon nanotube saturable absorbers for solid-state laser mode locking near 1Î¼m. Applied Physics Letters, 2008, 93, .	3.3	97
96	Propagation of electromagnetic waves in stratified media with nonlinearity in both dielectric and magnetic responses. Optics Express, 2008, 16, 1150.	3.4	33
97	Particle size-dependent giant nonlinear absorption in nanostructured Ni-Ti alloys. Optics Express, 2008, 16, 11193.	3.4	19
98	Excitation of s-polarized surface electromagnetic waves in inhomogeneous dielectric media. Optics Express, 2008, 16, 13354.	3.4	9
99	Strong influence of nonlinearity and surface plasmon excitations on the lateral shift. Optics Express, 2008, 16, 15506.	3.4	13
100	Resonant absorption and mode conversion in a transition layer between positive-index and negative-index media. Optics Express, 2008, 16, 18505.	3.4	30
101	Influence of bottom topography on the propagation of linear shallow water waves: an exact approach based on the invariant imbedding method. Waves in Random and Complex Media, 2008, 18, 325-341.	2.7	7
102	Disorder-enhanced transmission of a quantum mechanical particle through a disordered tunneling barrier in one dimension: Exact calculation based on the invariant imbedding method. Physical Review B, 2008, 77, .	3.2	12
103	Fabrication and characterization of single-walled carbon nanotube saturable absorbers for solid-state laser mode-locking near 1 μm. , 2008, , .		0
104	Exact Calculation of the Optical Properties of One-Dimensional Nonlinear Photonic Crystals. Journal of the Korean Physical Society, 2008, 52, 1580-1584.	0.7	3
105	Invariant Imbedding Theory of Wave Propagation in Stratified Complex Media. Journal of the Korean Physical Society, 2008, 52, 1598-1604.	0.7	1
106	Excitation of surface plasmons in one-dimensional metal-dielectric photonic crystals. , 2007, , .		0
107	Influence of the optical nonlinearity on surface plasmon excitations in thin metal films. , 2007, , .		0
108	Surface plasma waves can resonantly enhance the mode conversion efficiency in cold, unmagnetized plasmas. , 2007, , .		0

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109	Resonant transmission of evanescent electromagnetic waves through Fibonacci dielectric multilayers. , 2007, , .		0
110	Propagation ofp-polarized electromagnetic waves obliquely incident on stratified random media: Random phase approximation. Waves in Random and Complex Media, 2007, 17, 43-53.	2.7	5
111	Invariant imbedding theory of mode conversion in inhomogeneous plasmas. II. Mode conversion in cold, magnetized plasmas with perpendicular inhomogeneity. Physics of Plasmas, 2006, 13, 042103.	1.9	29
112	Conversion of ordinary and extraordinary waves into upper hybrid waves in inhomogeneous plasmas. Physics of Plasmas, 2005, 12, 052903.	1.9	9
113	Invariant imbedding theory of mode conversion in inhomogeneous plasmas. I. Exact calculation of the mode conversion coefficient in cold, unmagnetized plasmas. Physics of Plasmas, 2005, 12, 062101.	1.9	26
114	Optical resonant transmission in metalâ€“dielectric multilayers. Journal of Optics, 2004, 6, 22-25.	1.5	10
115	Antireflection film in one-dimensional metallo-dielectric photonic crystals. Optics Communications, 2004, 230, 239-243.	2.1	32
116	Characteristics of resonant modes of photonic crystal cavities. , 2004, , .		1
117	Improved transmittance in one-dimensional metallic photonic crystals. Physica B: Condensed Matter, 2003, 338, 132-135.	2.7	15
118	Tuning of anisotropic optical properties of two-dimensional dielectric photonic crystals. Physica B: Condensed Matter, 2003, 338, 153-158.	2.7	13
119	Tunable resonant transmission of electromagnetic waves through a magnetized plasma. Physical Review E, 2003, 67, 036612.	2.1	12
120	Compressional MHD wave transport in the magnetosphere 1. Reflection and transmission across the plasmapause. Journal of Geophysical Research, 2002, 107, SMP 16-1.	3.3	19
121	Interaction effects in non-Hermitian models of vortex physics. Physical Review B, 2001, 64, .	3.2	8
122	Propagation of sudden impulses in the magnetosphere: Linear waves. Advances in Space Research, 2000, 25, 1531-1539.	2.6	8
123	Theory of one-dimensional solitons, polarons, and multipolarons: An alternative formulation. Physical Review B, 2000, 61, 10768-10776.	3.2	3
124	Nonlinear MHD wave propagation in the magnetosphere: A time-dependent approach. Journal of Geophysical Research, 2000, 105, 23345-23352.	3.3	3
125	Quantum critical phenomena of long-range interacting bosons in a time-dependent random potential. Physical Review B, 1999, 60, R742-R745.	3.2	3
126	Compressional MHD waves in the magnetosphere: A new approach. Journal of Geophysical Research, 1999, 104, 12379-12385.	3.3	57

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127	Reflection coefficient and localization length of waves in one-dimensional random media. Physical Review B, 1998, 58, 6153-6160.	3.2	40
128	Optical conductivity associated with solitons in the Peierls state as modified by zero-point-motion disorder. Synthetic Metals, 1996, 83, 13-19.	3.9	2
129	Superfluid density in inhomogeneous4He. Physica B: Condensed Matter, 1994, 194-196, 527-528.	2.7	0
130	Superfluid density in inhomogeneousHe4with applications to thin films. Physical Review B, 1993, 48, 13735-13741.	3.2	7
131	Universal subgap optical conductivity in quasi-one-dimensional Peierls systems. Physical Review Letters, 1993, 71, 4015-4018.	7.8	68
132	Hyperuniversality in quantum critical phenomena. Physical Review B, 1991, 43, 13583-13586.	3.2	32
133	Spin-wave singularities: Free energy and equation of state inO(n) spin models nearTc. Physical Review B, 1990, 42, 10505-10522.	3.2	3
134	Dimensionality expansion for the dirty-boson problem. Physical Review B, 1989, 40, 813-816.	3.2	36
135	Linear instability and the codimension-2 region in binary fluid convection between rigid impermeable boundaries. Physical Review A, 1988, 37, 3909-3920.	2.5	103