From science fiction death rays to supermarket scanners, lasers have become deeply embedded in our daily lives and our culture. But in recent decades the standard laser beam has evolved into an array of more specialized light beams with a variety of strange and counterintuitive properties. Some of them have the ability to reconstruct themselves after disruption by an obstacle, while others can bend in complicated shapes or rotate like a corkscrew. These unusual optical effects open new and exciting possibilities for science and technology. For example, they make possible microscopic tractor beams that pull objects toward the source of the light, and they allow the trapping and manipulation of individual molecules to construct specially-tailored nanostructures for engineering or medical use. It has even been found that beams of light can produce lines of darkness that can be tied in knots. This book is an introductory survey of these specialized light beams and their scientific applications, at a level suitable for undergraduates with a basic knowledge of optics and quantum mechanics. It provides a unified treatment of the subject, collecting together in textbook form for the first time many topics currently found only in the original research literature.
lifelong burning interest in Jesus, not only as an archetype, savior, bodhisattva, and elder brother, but also in relation to the Essenes from the Dead Sea. The Law of Light is the result of his many years spent studying Aramaic and the techniques of Yeshua (Jesus). Yeshua spoke Aramaic. Through the Aramaic language, his teachings offer not just another interpretation of the New Testament, but the unveiling of a secret message that attempts, once and for all, to settle centuries-old conceptions of sin, and to once again connect man with the heavenly spiritual source. The core of Yeshua’s Aramaic message is intimacy, freedom, selfless awareness, unconditional love, compassion, and forgiveness. In all he says, there exists a hidden invitation to us to be present in, and dedicated to, everything with which we engage. Five minutes of total devotion is worth more than hours of hectic exertion. The aim is to set mankind free and to dismiss everything that is bound up in false notions. A Flash of Light - Jul 06 2022
A Flash of Light is an intriguing book that starts at the beginning of time itself and then winds its way through a host of fascinating light related topics including the hues of aliens sunsets, the psychology of colour, and the chemistry of LCD screens. Written as part of a novel experiment, editors Mark Lorch and Andy Miah hatched a plan to collect a critical mass of academics in a room and charged them with writing a popular science book, under the watchful eye of the general public at the Manchester Science Festival. The result is an enlightening look into the science behind colour and light, encompassing biology, chemistry and physics and including simple and fun “try this at home” ideas to illustrate the concepts covered. Drawing on the experience of some of the UK’s best science communicators, this book will appeal to anyone with an interest in science. Its pacy, witty and engaging tone provides illuminating insight into how and why we see the universe the way we do. The Art of Light on Stage - Apr 22 2021
The Art of Light on Stage is the first history of theatre lighting design to bring the story right up to date. In this extraordinary volume, award-winning designer Yaron Abulafia explores the poetics of light, charting the evolution of lighting design against the background of contemporary performance. The book looks at the material and the conceptual; the technological and the transcendental. Never before has theatre design been so vividly and excitingly illuminated. The book examines the evolution of lighting design in contemporary theatre through an exploration of two fundamental issues: 1. What gave rise to the new directions in lighting design in contemporary theatre? 2. How can these new directions be viewed within the context of lighting design history? The study then focuses on the phenomenological and semiotic aspects of the medium for light – the role of light as a performer, as the medium of visual perception and as a stimulus for imaginative representations – in selected contemporary theatre productions by Robert Wilson, Romeo Castellucci, Heiner Goebels, Jossi Wieler and David Zinder. This ground-breaking book will be required reading for anyone concerned with the future of performance. Light–Matter Interaction - Nov 17 2020
This book offers a didactic introduction to light–matter interactions at both the classical and semi-classical levels. Pursuing an approach that describes the essential physics behind the functionality of any optical element, it acquaints students with the broad areas of optics and photonics. Its rigorous, bottom-up approach to the subject, using model systems ranging from individual atoms and simple molecules to crystalline and amorphous solids, gradually builds up the reader’s familiarity and confidence with the subject matter. Throughout the book, the detailed mathematical treatment and examples of practical applications are accompanied by problems with worked-out solutions. In short, the book provides the most essential information for any graduate or advanced undergraduate student wishing to begin their
course of study in the field of photonics, or to brush up on important concepts prior to an examination. The Motion of Light in Water - Dec 19 2020
This Hugo Award–winning memoir is “a very moving, intensely fascinating literary autobiography from an extraordinary writer” (William Gibson, Nebula and Hugo Award–winning author of Neuromancer). With the poet Marilyn Hacker, Delany moves into a tenement on a dead-end street that the landlord reserves for interracial couples. Between playing folk music in the evenings at the same Greenwich Village coffee shop as Bob Dylan and preparing shrimp curry for W. H. Auden and Chester Khalman, who have accepted an invitation that night for dinner, Delany takes a stab at writing science fiction. This young prodigy would complete and sell five novels before he turned twenty-two! (And then have a nervous breakdown . . .) This beautifully written memoir is a testament to a neighborhood where experimentation was a way of life. This ebook features an illustrated biography of Samuel R. Delany including rare images from his early career. A Book of Light - Jun 24 2021
In 2012, Jerry Pinto published his debut novel, 'Em and the Big Hoom', which drew upon his experience of living with a mother who was bipolar. It touched thousands of readers, among them many who had similar experiences of living with someone with a mental illness or infirmity. Some of these readers shared their stories with him, and agreed to share them with the world. 'A Book of Light' collects these harrowing yet moving, even empowering, stories—about the terror and majesty of love; the bleakness and unexpected grace of life; the fragility and immense strength of the human mind. The Book of Light - Aug 19 2023
The Book of Light is a series of five small books that bring the reader back into the light. Are you curious about bringing your heart and mind into oneness? Do you want to tap into the innate wisdom of the heart and God? Learn about: - The Foolish Storyteller and how to let it work for you and stop using you. - The Queen of Wisdom (Heart) will guide you and instruct you using the mind and allowing inspiration to be your guide. - Be the disciple (Student) and listen to the wisdom that is you. - Discover the heart and learn how to play, and be still - Personalize your relationship with God through your heart. David Matthew Brown is an author, teacher and internationally sought after speaker on Universal Principle, Sound, Energy, and Shamanic Work. Darkness Falls on the Land of Light - Nov 29 2021
This sweeping history of popular religion in eighteenth-century New England examines the experiences of ordinary people living through extraordinary times. Drawing on an unprecedented quantity of letters, diaries, and testimonies, Douglas Winiarski recovers the pervasive and vigorous lay piety of the early eighteenth century. George Whitefield's preaching tour of 1740 called into question the fundamental assumptions of this thriving religious culture. Incited by Whitefield and fascinated by miraculous gifts of the Holy Spirit—visions, bodily fits, and sudden conversions—countless New Englanders broke ranks with family, neighbors, and ministers who dismissed their religious experiences as delusive enthusiasm. These new converts, the progenitors of today's evangelical movement, bitterly assaulted the Congregational establishment. The 1740s and 1750s were the dark night of the New England soul, as men and women groped toward a restructured religious order. Conflict transformed inclusive parishes into exclusive networks of combative spiritual seekers. Then as now, evangelicalism emboldened ordinary people to question traditional authorities. Their challenge shattered whole communities. The Light: A Book of Wisdom - Oct 09 2022
This powerful book contains chapters by 22 of the world’s leading luminaries in the field of personal development and spiritual transformation, including bestselling authors Neale Donald Walsch (Conversations With God) and Don Miguel Ruiz (The Four Agreements). Covering topics from co-creating a peaceful world, forgiveness, healing, and finding purpose and happiness, to chapters about health, well-being, destiny, and the mysteries of kundalini,
The Light also includes practical exercises and guidance, empowering readers to achieve their greatest potential. *The Light* - Feb 13 2023

Christi Randolph is a strong-willed sixteen-year-old free spirit who is facing family decisions that will result in disrupting her whole life. Her trip to the beach with her aunt is an escape from the stress of it all. Ben, whose family was killed in a tragic boating accident, is staying with the Carltons, friends who live next door to their beach home in South Carolina. When their paths cross, sparks will not only fly but Christi also discovers there is something very strange happening ... and Ben is a part of it. The quest plunges her into a mystery that will leave her with more questions than answers but will awaken her purpose and sense of belonging. The Light is a YA Science-Fantasy where the readers become part of the adventure and leaves them excited to see what happens next. *Of Light and Darkness* - Sep 15 2020

Charlotte Ruzikova is an ordinary girl, but in a world of magic and monsters, it's exactly what makes her an outcast. In occult Prague, Witches draw enchantment spells, Shifters throw tea parties, and markets glow like stardust as jack-o'-lanterns jeer from cobblestone paths. For humans on the mundane side of town, the occult city is a fairy tale for storybooks, but for Charlotte, it's home. When she catches the eye of an Elven prince and spurns his advances, Charlotte sparks a devastating war between the creatures of the light and those lurking in the darkness. Worst of all, she endangers the person she loves most: the man who brought her to the occult city. Joining forces with a coven of outcast monsters, Charlotte rebels against an empire to preserve the magic in her city and in her heart. But can her allies set aside their differences for the greater good? Loyalties are tested and grudges grow thorny roots, but no matter the cost, Charlotte will fight to save the shadows. In the occult city, the dawn cannot consume the night. *Detection of Light* - Jun 12 2020

How does a quantum well detector, a silicon BIB or a CCD work? How are heterodyne techniques used in infrared detectors and submillimeter receivers? And how do you specify the performance of any detector system? This volume answers all these questions with an up-to-date review of all the techniques for the detection of radiation. This presentation approaches detectors from the perspective of the underlying physics; and in this way it provides a unified understanding of the detection of radiation in the ultraviolet through to the submillimetre. Clearly worked examples demonstrate the physics involved and problems are provided to increase the reader's knowledge of how each system works. This clearly written and authoritative review of modern detector systems will develop the understanding of final year undergraduate and graduate students, and will provide a valuable reference for professionals in astronomy, engineering and physics. *The Spiritual Physics of Light* - Aug 15 2020

This book explores the connections between what we know about light scientifically and the eternal role of light spiritually. Physical principles of electromagnetic radiation are discussed in an accessible manner, with connections drawn to gospel truths from The Church of Jesus Christ of Latter-day Saints. Ideas are discussed that explain how we see, feel, and know truth, which is light. *The Story of Light Science* - Jan 12 2023

This book traces the evolution of our understanding and utilization of light from classical antiquity and the early thoughts of Pythagoras to the present time. From the earliest recorded theories and experiments to the latest applications in photonic communication and computation, the ways in which light has been put to use are numerous and astounding. Indeed, some of the latest advances in light science are in fields that until recently belonged to the realm of science fiction. The author, writing for an audience of both students and other scientifically interested readers, describes fundamental investigations of the nature of light
and ongoing methods to measure its speed as well as the emergence of the wave theory of light and the complementary photon theory. The importance of light in the theory of relativity is discussed as is the development of electrically-driven light sources and lasers. The information here covers the range of weak single-photon light sources to super-high power lasers and synchrotron light sources. Many cutting-edge topics are also introduced, including entanglement-based quantum communication through optical fibers and free space, quantum teleportation, and quantum computing. The nature and use of "squeezed light" - e.g. for gravitational wave detection - is another fascinating excursion, as is the topic of fabricated metamaterials, as used to create invisibility cloaks. Here the reader also learns about the realization of extremely slow speed and time-reversed light. The theories, experiments, and applications described in this book are, whenever possible, derived from original references. The many annotated drawings and level of detail make clear the goals, procedures, and conclusions of the original investigators. Where they are required, all specialist terms and mathematical symbols are defined and explained. The final part of the book covers light experiments in the free space of the cosmos, and also speculates about scenarios for the cosmological origins of light and the expected fate of the photon in a dying universe. City of Light - Jun 05 2022

A NEW YORK TIMES NOTABLE BOOK It is 1901 and Buffalo, New York, stands at the center of the nation's attention as a place of immense wealth and sophistication. The massive hydroelectric power development at nearby Niagara Falls and the grand Pan-American Exposition promise to bring the Great Lakes "city of light" even more repute. Against this rich historical backdrop lives Louisa Barrett, the attractive, articulate headmistress of the Macaulay School for Girls. Protected by its powerful all-male board, "Miss Barrett" is treated as an equal by the men who control the life of the city. Lulled by her unique relationship with these titans of business, Louisa feels secure in her position, until a mysterious death at the power plant triggers a sequence of events that forces her to return to a past she has struggled to conceal, and to question everything and everyone she holds dear. Both observer and participant, Louisa Barrett guides the reader through the culture and conflicts of a time and place where immigrant factory workers and nature conservationists protest violently against industrialists, where presidents broker politics, where wealthy "Negroes" fight for recognition and equality, and where women struggle to thrive in a system that allows them little freedom. Wrought with remarkable depth and intelligence, City of Light remains a work completely of its own era, and of ours as well. A stirring literary accomplishment, Lauren Belfer's first novel marks the debut of a fresh voice for the new millennium and heralds a major publishing event. The Book of Light - Jul 18 2023

An empowering guide to embracing your flaws, celebrating your individuality, knowing your worth, and loving your body—with thoughtful self-love journaling activities. Nia was an in-demand international model and brand ambassador with a wonderful afro that landed her on the covers of magazines, billboards and international brand ads. Then, in 2018, surrounded by friends and family, she cut it off. It was a bold move, and the first step on her journey to self-love. In this inspiring, illustrated book, Nia explores a range of emotions, from pain to joy, insecurity to confidence, to help you find your own individuality and power. The journaling activities give free rein to your inner queen to document your experiences of self-love, your flaws and life lessons. Nia shares her own path towards accepting her whole self—acne, stretch marks and all! The Book of Light will give you inspiration to love who you are. The Book of Light will remind you to be your own best friend. The Book of Light will help you to reflect on your journey of the past and your ambitions for the future. Are you ready to discover your light? The Power of Light - Dec 11 2022
An original investigation into the social and technological history of solar power. From the days of Archimedes and Leonardo, the earliest efforts to harness the power of the sun have become the stuff of legend. But it was not until the industrial revolution, with its great demands for fuel, that inventors—like Prometheus carrying fire from Mt. Olympus—began to build machines capable of channeling the sun's rays into usable energy. In *The Power of Light*, solar energy expert Frank Kryza recounts the dramatic saga of solar invention, from its optimistic dawning in the mid-19th century to its impending triumph today. With a fervent passion for his subject, the author introduces solar pioneers such as Auguste Mouchot, whose solar-powered steam engine amazed Napoleon III, and Frank Shuman, whose solar pumping station, in 1911, became the largest and most cost-effective machine prior to the space age. While presenting a thorough and original investigation into this little-known chapter of science history, *The Power of Light* offers a sober meditation on the revolutionary impact technology often has on society.  

**The Book of Light** - Jun 17 2023

Stressed out by life? Need a little extra comfort, inspiration, and love? Whether you've lost your way or are just having a bad day, *The Book of Light* is the ideal pick-me-up, reminding you that you are a magnificent, powerful being of light. You are here to make a positive contribution to the world, and you are deserving of love, joy, and fulfillment. *The Book of Light* will help you tune in to and connect with your inner light for direction. The thoughtful passages will help you create more emotional, spiritual, and physical light in your life each day of the year. When read with intention, the affirmations, meditations, visualizations, and practical tips will help you awaken to and stay connected to your true self.  

**A Memory of Light** - Apr 03 2022

The Wheel of Time is now an original series on Prime Video, starring Rosamund Pike as Moiraine! With Robert Jordan’s untimely passing in 2007, Brandon Sanderson, the New York Times bestselling author of the Mistborn novels and the Stormlight Archive, was chosen by Jordan’s editor—his wife, Harriet McDougal—to complete the final volume in *The Wheel of Time®,* later expanded to three books. In *A Memory of Light,* the fourteenth and concluding novel in Jordan’s #1 New York Times bestselling epic fantasy series, the armies of Light gather to fight in Tarmon Gai’don, the Last Battle, to save the Westland nations from the shadow forces of the Dark One. Rand al’Thor, the Dragon Reborn, is ready to fulfill his destiny. To defeat the enemy that threatens them all, he must convince his reluctant allies that his plan—as foolhardy and dangerous as it appears—is their only chance to stop the Dark One’s ascension and secure a lasting peace. But if Rand’s course of action fails, the world will be engulfed in shadow. Across the land, Mat, Perrin, and Egwene engage in battle with Shadowspawn, Trollocs, Darkfriends, and other creatures of the Blight. Sacrifices are made, lives are lost, but victory is unassured. For when Rand confronts the Dark One in Shayol Ghul, he is bombarded with conflicting visions of the future that reveal there is more at stake for humanity than winning the war. Since its debut in 1990, *The Wheel of Time®* by Robert Jordan has captivated millions of readers around the globe with its scope, originality, and compelling characters. The last six books in series were all instant #1 New York Times bestsellers, and *The Eye of the World* was named one of America’s best-loved novels by PBS's *The Great American Read.*  

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#1 The Wheel of Time® New Spring: The Novel #2 The Eye of the World #3 The Great Hunt #4 The Dragon Reborn #5 The Shadow Rising #6 The Fires of Heaven #7 A Crown of Swords #8 The Path of Daggers #9 Winter's Heart #10 Crossroads of Twilight #11 Knife of Dreams By Robert Jordan and Brandon Sanderson #12 The Gathering Storm #13 Towers of Midnight #14 A Memory of Light By Robert Jordan and Teresa Patterson The World of Robert Jordan's The Wheel of Time By Robert Jordan, Harriet McDougal, Alan Romanczuk, and Maria Simons The Wheel of Time Companion By
Robert Jordan and Amy Romanczuk Patterns of the Wheel: Coloring Art Based on Robert Jordan’s The Wheel of Time At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied. Absorption and Scattering of Light by Small Particles - Oct 29 2021

Absorption and Scattering of Light by Small Particles
Treating absorption and scattering in equal measure, this self-contained, interdisciplinary study examines and illustrates how small particles absorb and scatter light. The authors emphasize that any discussion of the optical behavior of small particles is inseparable from a full understanding of the optical behavior of the parent material-bulk matter. To divorce one concept from the other is to render any study on scattering theory seriously incomplete. Special features and important topics covered in this book include:

* Classical theories of optical properties based on idealized models
* Measurements for three representative materials: magnesium oxide, aluminum, and water
* An extensive discussion of electromagnetic theory
* Numerous exact and approximate solutions to various scattering problems
* Examples and applications from physics, astrophysics, atmospheric physics, and biophysics
* Some 500 references emphasizing work done since Kerker's 1969 work on scattering theory

Computer programs for calculating scattering by spheres, coated spheres, and infinite cylinders

Bridge of Light - Jul 26 2021

This popular guide to expanding consciousness includes practical meditation and visualization techniques and breathing exercises for creating inner peace. Shows how to overcome unhealthy patterns from the past, deal with job and relationship changes, and accept the challenge of creating a personal role in transforming the world. National TV programs.

Geometry and Light - Mar 14 2023

Suitable for advanced undergraduate and graduate students of engineering, physics, and mathematics and scientific researchers of all types, this is the first authoritative text on invisibility and the science behind it. More than 100 full-color illustrations, plus exercises with solutions. 2010 edition.

The Age of Light - Aug 27 2021

One of the Best Books of the Year: Parade, Glamour, Real Simple, Refinery29, Yahoo! Lifestyle. "A startlingly modern love story and a mesmerizing portrait of a woman's self-transformation from muse to artist." --Celeste Ng, author of Little Fires Everywhere

"I'd rather take a photograph than be one," Lee Miller declares after she arrives in Paris in 1929, where she soon catches the eye of the famous Surrealist Man Ray. Though he wants to use her only as a model, Lee convinces him to take her on as his assistant and teach her everything he knows. As they work together in the darkroom, their personal and professional lives become intimately entwined, changing the course of Lee's life forever. Lee's journey of self-discovery takes her from the cabarets of bohemian Paris to the battlefields of war-torn Europe during WWII, from inventing radical new photography techniques to documenting the liberation of the concentration camps as one of the first female war correspondents. Through it all, Lee must grapple with the question of whether it's possible to stay true to herself while also fulfilling her artistic ambition--and what she will have to sacrifice to do so.

Death in the City of Light - Feb 01 2022

The gripping, true story of a brutal serial killer who unleashed his own reign of terror in Nazi-Occupied Paris. As decapitated heads and dismembered body parts surfaced in the Seine, Commissaire Georges-Victor Massu, head of the Brigade Criminelle, was tasked with tracking down the elusive murderer in a twilight world of Gestapo, gangsters, resistance fighters, pimps, prostitutes, spies, and other shadowy figures of the Parisian underworld. But while trying to solve the many mysteries of the case, Massu would unravel a plot of unspeakable deviousness. The main suspect, Dr. Marcel Petiot, was a handsome, charming physician with remarkable charisma. He was the “People’s Doctor,” known for his many acts of kindness and
generosity, not least in providing free medical care for the poor. Petiot, however, would soon be charged with twenty-seven murders, though authorities suspected the total was considerably higher, perhaps even as many as 150. Petiot's trial quickly became a circus. Attempting to try all twenty-seven cases at once, the prosecution stumbled in its marathon cross-examinations, and Petiot, enjoying the spotlight, responded with astonishing ease. Soon, despite a team of prosecuting attorneys, dozens of witnesses, and over one ton of evidence, Petiot’s brilliance and wit threatened to win the day. Drawing extensively on many new sources, including the massive, classified French police file on Dr. Petiot, Death in the City of Light is a brilliant evocation of Nazi-Occupied Paris and a harrowing exploration of murder, betrayal, and evil of staggering proportions. 

Child of Light - Aug 07 2022
NATIONAL BESTSELLER • The electrifying first novel of an all-new fantasy series from the legendary author behind the Shannara saga, about a human girl struggling to find her place in a magical world she’s never known “Enticing . . . Brooks’s fans will be thrilled to have a new series to savor.”—Publishers Weekly At nineteen, Auris Afton Grieg has led an . . . unusual life. Since the age of fourteen, she has been trapped in a Goblin prison. Why? She does not know. She has no memories of her past beyond the vaguest of impressions. All she knows is that she is about to age out of the children’s prison, and rumors say that the adult version is far, far worse. So she and some friends stage a desperate escape into the surrounding wastelands. And it is here that Auris’s journey of discovery begins, for she is rescued by a handsome yet alien stranger. Harrow claims to be Fae—a member of a magical race that Auris had thought to be no more than legend. Odder still, he seems to think that she is Fae as well, although the two look nothing alike. But strangest of all, when he brings her to his wondrous homeland, she begins to suspect that he is right. Yet how could a woman who looks entirely Human be a magical being herself? Told with a fresh, energetic voice, this fantasy puzzle box is Terry Brooks as you have never seen him before, as one young woman slowly unlocks truths about herself and her world—and, in doing so, begins to heal both. 

City of Light - Jul 14 2020
The first in an all-new futuristic fantasy series from Keri Arthur—the New York Times bestselling author of the Souls of Fire novels. When the bombs that stopped the species war tore holes in the veil between this world and the next, they allowed entry to the Others—demons, wraiths, and death spirits who turned the shadows into their hunting grounds. Now, a hundred years later, humans and shifters alike live in artificially lit cities designed to keep the darkness at bay.... As a déchet—a breed of humanoid super-soldiers almost eradicated by the war—Tiger has spent her life in hiding. But when she risks her life to save a little girl on the outskirts of Central City, she discovers that the child is one of many abducted in broad daylight by a wraith-like being—an impossibility with dangerous implications for everyone on earth. Because if the light is no longer enough to protect them, nowhere is safe...

The Collected Poems of Lucille Clifton 1965-2010 - Apr 15 2023
Winner of the 2013 Hurston/Wright Legacy Award for Poetry "The Collected Poems of Lucille Clifton 1965-2010 may be the most important book of poetry to appear in years."--Publishers Weekly "All poetry readers will want to own this book; almost everything is in it."--Publishers Weekly "If you only read one poetry book in 2012, The Collected Poems of Lucille Clifton ought to be it."—NPR "The 'Collected Clifton' is a gift, not just for her fans...but for all of us."--The Washington Post "The love readers feel for Lucille Clifton—both the woman and her poetry—is constant and deeply felt. The lines that surface most frequently in praise of her work and her person are moving declarations of racial pride, courage, steadfastness."—Toni Morrison, from the Foreword The Collected Poems of Lucille Clifton 1965-2010 combines all eleven of Lucille Clifton's published collections with more than fifty previously unpublished
poems. The unpublished poems feature early poems from 1965–1969, a collection-in-progress titled the book of days (2008), and a poignant selection of final poems. An insightful foreword by Nobel Prize-winning author Toni Morrison and comprehensive afterword by noted poet Kevin Young frames Clifton's lifetime body of work, providing the definitive statement about this major America poet's career. On February 13, 2010, the poetry world lost one of its most distinguished members with the passing of Lucille Clifton. In the last year of her life, she was named the first African American woman to receive the $100,000 Ruth Lilly Poetry Prize honoring a US poet whose "lifetime accomplishments warrant extraordinary recognition," and was posthumously awarded the Robert Frost Medal for lifetime achievement from the Poetry Society of America. "mother-tongue: to man-kind" (from the unpublished the book of days): all that I am asking is that you see me as something more than a common occurrence, more than a woman in her ordinary skin. Introduction to Light - May 16 2023
Designed for a nonmathematical undergraduate optics course addressed to art majors, this four-part treatment discusses the nature and manipulation of light, vision, and color. Questions at the end of each chapter help test comprehension of material, which is almost completely presented in a nonmathematical manner. 170 black-and-white illustrations. 1983 edition. Life at the Speed of Light - May 24 2021
“Venter instills awe for biology as it is, and as it might become in our hands.” —Publishers Weekly On May 20, 2010, headlines around the world announced one of the most extraordinary accomplishments in modern science: the creation of the world’s first synthetic lifeform. In Life at the Speed of Light, scientist J. Craig Venter, best known for sequencing the human genome, shares the dramatic account of how he led a team of researchers in this pioneering effort in synthetic genomics—and how that work will have a profound impact on our existence in the years to come. This is a fascinating and authoritative study that provides readers an opportunity to ponder afresh the age-old question “What is life?” at the dawn of a new era of biological engineering. El libro de la luz - Sep 20 2023
“Amame dentro de ti. Porque yo estoy dentro de ti. En cada parte de ti, en cada célula, yo estoy ahí. Y solamente cuando entras en contacto profundo contigo mismo es que entras en contacto profundo conmigo. Y solamente cuando te amas eternamente es que consigues amarme eternamente. Yo estaré siempre aquí.” -- Jesús ¿Estás buscando una guía espiritual? ¿Tienes problemas personales y no sabes qué hacer? ¿Te preguntas si estás haciendo lo correcto? ¿No estás seguro si tus oraciones son escuchadas? Por medio de un mensaje inspirador canalizado directamente a Alexandra Solnado desde el Cielo, El libro de la luz te ofrece una sabiduría simple pero profunda. Estos mensajes de luz son un intento del cielo para darte consuelo e inspiración. Para encontrar las respuestas sobre las cosas que te preocupan, simplemente haz una pregunta y toma dos letras Arameas de las diecisiete incluidas en el libro. La tabla referencial que se encuentra en el interior te guiará hacia el mensaje indicado que Jesús ha enviado para ti. Los mensajes de luz de este libro están relacionados con temas de la vida como el perdón, amor incondicional, sentimiento de culpa, pérdida, abundancia, riesgo, protección, propósito y muchos más. Utiliza esta guía divina a diario en cualquier momento en que necesites ayuda o sabiduría. Más que un libro, El libro de la luz es una guía para toda la vida. The Memory of Light - Mar 02 2022
This beautiful novel from the author of Marcelo in the Real World about life after a suicide attempt is perfect for fans of It's Kind of a Funny Story and Thirteen Reasons Why. When Vicky Cruz wakes up in the Lakeview Hospital Mental Disorders ward, she knows one thing: After her suicide attempt, she shouldn't be alive. But then she meets Mona, the live wire; Gabriel, the saint; E.M., always angry; and Dr. Desai, a quiet force. With stories and honesty, kindness and hard work, they push her to reconsider her life before Lakeview, and offer her
an acceptance she's never had. But Vicky's newfound peace is as fragile as the roses that grow around the hospital. And when a crisis forces the group to split up, sending Vicky back to the life that drove her to suicide, she must try to find her own courage and strength. She may not have them. She doesn't know. Inspired in part by the author's own experience with depression, The Memory of Light is the rare young adult novel that focuses not on the events leading up to a suicide attempt, but the recovery from one -- about living when life doesn't seem worth it, and how we go on anyway. The Nature of Light - Feb 18 2021

Focusing on the unresolved debate between Newton and Huygens from 300 years ago, The Nature of Light: What is a Photon? discusses the reality behind enigmatic photons. It explores the fundamental issues pertaining to light that still exist today. Gathering contributions from globally recognized specialists in electrodynamics and quantum optics, the book begins by clearly presenting the mainstream view of the nature of light and photons. It then provides a new and challenging scientific epistemology that explains how to overcome the prevailing paradoxes and confusions arising from the accepted definition of a photon as a monochromatic Fourier mode of the vacuum. The book concludes with an array of experiments that demonstrate the innovative thinking needed to examine the wave-particle duality of photons. Looking at photons from both mainstream and out-of-box viewpoints, this volume is sure to inspire the next generation of quantum optics scientists and engineers to go beyond the Copenhagen interpretation and formulate new conceptual ideas about light–matter interactions and substantiate them through inventive applications. On a Beam of Light - Sep 27 2021

A boy rides a bicycle down a dusty road. But in his mind, he envisions himself traveling at a speed beyond imagining, on a beam of light. This brilliant mind will one day offer up some of the most revolutionary ideas ever conceived. From a boy endlessly fascinated by the wonders around him, Albert Einstein ultimately grows into a man of genius recognized the world over for profoundly illuminating our understanding of the universe. Jennifer Berne and Vladimir Radunsky invite the reader to travel along with Einstein on a journey full of curiosity, laughter, and scientific discovery. Parents and children alike will appreciate this moving story of the powerful difference imagination can make in any life.

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