

Exploring Chinese Characteristics in Science Fiction Films: A Case Study of 'Wandering Earth'

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Abstract

Chinese science fiction films were first created in the 1930s, but few outstanding works appeared until the beginning of the 21st century. With the appearance of Wandering Earth in the 2019 Spring Festival, Chinese science fiction films entered a new stage of development. This paper, using the 'Wandering Earth' series as a blueprint for research, first summarizes the development of Chinese science fiction films. Secondly, it focuses on analyzing why 'Wandering Earth' can be considered a genuinely Chinese hard science fiction film. Finally, through the analysis of the Wandering Earth series, we will summarise the future creative direction of Chinese sci-fi films and the experience that can be learnt from it, so as to accumulate creative experience for building domestic sci-fi film IP in the future.

Keywords: *Chinese science fiction film, The Wandering Earth, Localized IP.*

Introduction

At the beginning of the 2019 New Year, a sci-fi movie "The Wandering Earth"

adapted from Liu Cixin's novel of the same name was the hot screen, leading the

Spring Festival movie market, and finally reached the second place in the box office of China's film history with a box office of 4.654 billion. After three years, Wandering Earth 2 was also released in the Chinese New Year, raking in a total of 4.029 billion yuan at the box office. What is even more gratifying is that the film also performed well in overseas markets, earning \$5.87 million in box office revenues, and then topping the Chinese film North American box office champion. The film fills the gap in China's "hard science fiction" film type, promotes the progress of China's film industrialization level, and makes an important contribution to exploring domestically produced film creation and promoting Chinese film innovation and upgrading.

On the eve of the film's release, it garnered attention from foreign newspapers such as 'The New York Times and The Financial Times, both of which commented, 'China's first space-based blockbuster. This film marks a new era in Chinese film production, signaling the dawn of China's film industry joining the 'space race'. Chinese studios have taken a significant leap forward in the realm of science fiction films. The release of 'Wandering Earth' is a milestone as it signifies the increasing diversity of the Chinese film market in terms of production."

Wandering Earth tells the story of a dying sun and humanity's attempt to build planetary engines to propel Earth out of the solar system in search of a new home. Set against the backdrop of a cataclysmic disaster, the film weaves a poignant and imaginative plot, combining stunning visuals to create an epic science fiction masterpiece.

Distinguished from Hollywood-style individual heroism, the 'Wandering Earth' film series embodies a collectivist approach with Chinese characteristics, differing from the mainstream values of the West. This collectivism aligns with the concept of 'a Community with a Shared Future for Mankind.' To continue producing science fiction films with distinct Chinese characteristics, we must distinguish ourselves from

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Hollywood. By embracing this concept of a 'community of human destiny,' we are poised to create more hard science fiction films.

Chinese sci-fi films have made significant strides since the release of "Wandering Earth," yet there remains an overarching gap with Hollywood. Analyzing "Wandering Earth" allows us to gain insight into the various types of Chinese science fiction films. The prominence of hard science fiction within the science fiction genre is not only a significant type of sci-fi but also indicative of a country's potential for developing science fiction cinema. However, we must not overlook the development of the soft sci-fi genre, as both hard and soft science fiction should progress in tandem.

Special effects in films have long served as a hallmark of success for science fiction cinema. Depicting outer space scenes and representing disaster sequences have traditionally been central to the genre. After several years of development, China now boasts its own post-production companies, and the special effects scenes in "Wandering Earth" were all crafted by Chinese teams, signifying significant progress in this regard.

Likewise, Hollywood has established a well-developed film IP system. To cultivate distinct local characteristics within the science fiction film genre, we should take a cue from Hollywood and refine the science fiction film IP framework. Through endeavors like "Wandering Earth," we have laid the foundation for a relatively comprehensive science fiction film IP system. By building upon this system, Chinese science fiction cinema is poised to develop its own unique characteristics within the realm of science fiction film IP.

The Development of Chinese Science Fiction Film

Discussions about science fiction films have always been hotly debated, but so far there is not a uniformly accepted definition. The most simplified and widespread contemporary understanding of science fiction (shortened as sci-fi or SF) is a genre of speculative fiction that deals with the impact of existing or imaginary advanced science and technology on society or individuals. In the West, sci-fi was notably popularized around the 1920s by American publisher Hugo Gernsback, who also invented the worldwide famous Hugo Award in 1953. The Hugo Award is an annual literary award for the best science fiction or fantasy works and achievements from the previous year, given at the World Science Fiction Convention. Due to these significant achievements, Gernsback is considered by many in popular culture as "The Father of Science Fiction." Chinese sci-fi writer Liu Cixin made history by winning the 73rd Hugo Award for Best Long Story with "Three Body," marking the first time an Asian writer has achieved this honor.

Science fiction made its first appearance in China during the 1930s. In 1938, Yang Xiaozhong directed the film 'Shanghai Tang After Sixty Years,' marking the early days of Chinese science fiction. The film used dream sequences to depict life in Shanghai Tang 60 years into the future, featuring collapsing buildings, airborne automated houses, and intriguing events like the scientific recovery of memory and time control.

In the 1980s, Chinese science fiction films experienced a modest surge in development. In 1987, 'Dislocation,' directed by Huang Jianxin, explored the narrative of humans and robots, marking an innovative and pioneering approach to science fiction cinema. The film introduced visual and musical effects distinct from those of the 1930s, emphasizing the exploration of humanistic ideas rather than expending extensive efforts on traditional science fiction elements. Instead, it delved into deeper ideological connotations.

As the 21st century began, many Chinese science fiction films were produced with limited budgets. For instance, in 2006, Peng Lei directed 'Monsters of the North Sea,' an independent science fiction film that incorporated various forms of animation, including paper-cut animation and clay animation. While science fiction served as the film's outer packaging, and production was simple, it undeniably had its roots in the realm of 'sci-fi' creation. Starting in 2009, Chinese science fiction films began to shift toward larger-scale productions. In 2010, 'All Alert,' focusing on the mutant theme, emerged as one of the notable entries in the science fiction film genre. It marked the first Chinese mutant action film. Upon its release, it received

mixed reviews, with some praising it as a pioneering Chinese science fiction film that incorporated iconic Chinese kung fu.

In 2019, Chinese science fiction films entered a new stage of development, with the release of several sci-fi films of varying quality. Representative films include 'Wandering Earth,' 'Crazy Aliens,' 'Shanghai Fortress,' and more. 'Wandering Earth' stands out as a significant milestone in the history of Chinese science fiction film development, reaching new heights.

In 2022, the Chinese science fiction film landscape witnessed an explosion in the number of productions, including titles like 'Mozart in Outer Space' and 'Moon Man.' Over 90% of the footage in 'Moon Man' is comprised of special effects, earning it the reputation of being a hardcore and humorously named 'Moon Wanderer.' Meanwhile, 'Mozart in Outer Space' is often dubbed the 'Doraemon' of science fiction films, with Mozart from outer space becoming an endearing figure for a generation. Unlike 'Wandering Earth' and 'All Alert,' and akin to 'Crazy Aliens' and 'Beasts of the North Sea,' these films opt to blend science fiction elements with established genres. This trend highlights the two distinct directions in China's science fiction film development—'soft sci-fi' and 'hard sci-fi'.

The Storyline Under the A Community with A Shared Future for Mankind

In 2013, General Secretary Xi Jinping first mentioned the community of destiny.

"In this world, countries are more interconnected and interdependent. People live in the same global village, living in the same time and space where history and reality meet. Become a community of destiny in you and me. The global value of the community of human destiny encompasses the concepts of interdependent international power, common interests, sustainable development and global governance. It advocates that all countries of the world "work together, seek common development and engage in win-win cooperation", and uphold and promote the building of a community of human destiny. This concept has been welcomed and endorsed by an increasing number of countries and peoples, and has been written into important United Nations. China is also becoming more accessible to global audiences through more vibrant and adaptable forms of storytelling, expanding the horizons of film and television art interpretation.

Film and television productions like 'Wandering Earth' and 'Wolf Warriors 2' artistically embody the grand concept of the 'community of human destiny.' Science fiction serves as a modern myth, shaping the future through imagination. 'Wandering Earth' explores the ultimate destiny of all humanity, confronting existential threats. By fostering a 'community of human destiny' transcending national and racial boundaries, the collective resilience of humanity is realized.

Four years ago, on the first day of the lunar year of 2019, director Guo Fan astonished the nation with the epic 'Wandering Earth.' Now, four years later, on the first day of 2023, 'Wandering Earth 2' has taken a significant leap in both storyline and narrative style. Chinese science fiction has always held cultural significance distinct from that of European and American science fiction. While we're accustomed to Western sci-fi films where 'one person saves humanity,' 'the bomb defusal happens at the last second,' and 'I'm tired of the clinics,' Chinese science fiction brings a unique perspective with its emphasis on 'saving the planet.' This offers a fresh lens for contemplation. After watching it, we realize that not all the characters are typical heroes found in television series, and not all of their efforts lead to success. In 'Wandering Earth,' we witness the concept of global unity and 'working together to do better.' The film presents a scenario where people from around the world, representing various nationalities, unite as one to pursue a common goal. This coincides with the community of human destiny proposed by General Secretary Xi Jinping.

Science is the driving force of the story, but it is not what people care most about. According to Vivian Sobchak, an American sci-fi-type film research expert, the primary goal of sci-fi writers or film writers is not to declare or a technical knowledge of science, but to "tell through artistic style, narrative structure, aesthetic features, time and place events, etc. A dramatic story that eventually provokes the audience to think deeply. In fact, some viewers don't care about the so-called scientific principles, always put the wonderful storyline in the first place. If a story catches the audience, they will forget the bad dialogue and

the scientific theory that cannot withstand the scrutiny. This good story will bring we have a great experience . In 'Wandering Earth,' the entire human race is portrayed as one large community, which differs from the themes often found in some Hollywood novels and science books. The principle of 'universal harmony' is a shared ideal guiding the aspirations of the Chinese people for a better society. In the vision of a future world shaped by the Chinese perspective, the emphasis is on finding common ground while respecting differences and progressing together. This aspect is arguably one of the most captivating elements of Chinese science fiction. It is this noble objective that sometimes necessitates making choices that involve sacrifice. Just as the realm of humanity is built on the interplay of diverse thoughts and ideals, the same holds true for a nation. The emergence of 'Wandering Earth' not only showcases advancements in special effects within Chinese science fiction films and television, but also reflects the diverse narratives and ideas emerging from China's creative landscape.

Through The Lens of Special Effects Production

Wandering Earth, a science fiction film, boasts numerous sci-fi scenes. Whether it's the design of space or space station scenes, it exemplifies the film and television team's exceptional expertise in scene design. This underscores the professionalism of the film design team and delivers a powerful visual impact to the audience. In theory, film art is an abstract concept, and by showcasing the special effects technology in film production, scene special effects design and modeling not only create compelling visual effects but also possess artistic value.

Within the science fiction theme of 'Wandering Earth,' scenes such as volcanoes and blizzards are designed using 3D special effects and digital farming techniques. These artistic special effects scenes are what leave a lasting impression on the audience when it comes to "Wandering Earth." Additionally, the suburban scenes in the film are crafted with special effects technology to infuse the movie with a strong technological aesthetic, aligning with the overarching design concept and purpose of science fiction films . As a science fiction blockbuster, 'Wandering Earth' features over 2,000 special effects, posing significant technical challenges to the production team. This demands precision in detail and scene setting to enhance the viewer's experience and bring the story to life.

Three-Dimensional Effects for Scenes

Most science fiction films rely on special effects compositing techniques to bring scenes that necessitate the use of 3D special effects and other production methods to life. In the case of 'Wandering Earth,' special effects techniques were indispensable for creating various scenes and spatial transformations. This film effectively employed special effects techniques to convey its cinematic and artistic vision, making a positive impact on science fiction narratives and film adaptations. Science fiction often blends traditional filmmaking with precise character design, with the technical aspect playing a vital role in content production. This necessitates the use of 3D special effects technology. Objects such as space and space stations in films are crafted through a combination of manual and computer-based virtualization techniques.

Wandering Earth predominantly employs 3D special effects techniques for its stylistic provisions. The film showcases a colossal Jupiter and a space station. Even scenes featuring skyscrapers and rocks are represented using 3D compositing techniques to immerse the audience in key moments and enhance the visual experience. For instance, scenes depicting people navigating between towering buildings in the film were meticulously composited and produced with 3D special effects computer technology. Through 3D motion production, these scenes in 'Wandering Earth' appear more realistic and visually compelling. Notably, the film's space station explosion and the fiery interplay between Jupiter and its surroundings are realized through 3D special techniques, ensuring the scenes' realism and lifelike qualities. The application of 3D virtual technology in the film adheres to real-world conditions and maintains a balance between fiction and reality, ensuring production consistency and elevating the film's overall value.

Digital Mapping Technology

Digital matte painting is a computer graphics technology that extensively utilizes digital and computer technologies to construct virtual scenes in films, allowing the creation of lifelike environments. This technique is particularly valuable for scenes that do not exist in the real world or are challenging to build practically, saving both time and production costs. Due to its versatility, digital matte painting is widely embraced in film production. In preparation for the film's digital technology, artists initially created manual drawings, later employing computer technology for compositing. For instance, in 'Wandering Earth,' the main character's father operates a planetary engine, and the production team of artists began with a basic outline of the engine. To ensure the sci-fi setting appeared convincing and scientifically grounded, they employed computer graphics software to refine the details. Throughout the film's production, the editor designed specific scenes and utilized computer-generated imagery (CG) to enhance the visual realism of the main actors.

Some of the story in the 'Wandering Earth' film unfolds in Shanghai, but in contrast to reality, the film depicts the city as an icy and frigid place. Following the cessation of Earth's movement, the sea levels dramatically rose, and surface temperatures plummeted, plunging Shanghai into a deep freeze. To vividly capture this distinctive film setting and create a more immersive cinematic experience, Chen developed and designed over 200 special effects scenes. These scenes were meticulously processed using computer technology, breathing life into the film. Additionally, it's worth noting that analog particle computers were employed to authentically recreate the film's blizzard scenes.

Modelling of Space Scenes

The utilization of space scene technology in 'Wandering Earth' primarily revolves around image effects and the enhancement of 3D scenes. Meticulously designed space sequences and the film's chronological distribution collectively contribute to an immersive and realistic viewer experience. Advances in film technology have expanded the range of options available for conveying spatial art within the film. In the design and production of 'Wandering Earth,' particular emphasis is placed on the representation of space scenes. Artists employ scene technology to design and convey these space sequences, resulting in visually striking landscapes. The film's overall color scheme is dominated by cool tones, a deliberate choice optimized for its visual design. For instance, scenes featuring planetary thrusters, ice caps, and space stations incorporate over 10,000 components and more than 8,000 magnetic fields. This meticulous attention to detail results in a heightened visual impact on the audience, faithfully restoring the novel's original descriptions.

The influence of Western aesthetic design is distinctly noticeable in 'Wandering Earth.' Various elements in the film and television design have been carefully crafted to enhance their visual appeal. The cinematic grandeur that parallels Jupiter's celestial presence aligns with the aesthetics found in Soviet art theory. The space station featured in the film embodies modern design aesthetics, while the physical design plays a pivotal role in defining the overall design style. The depictions of suburbs and transportation in the film align with the real-life situation in China to a certain extent. During the film's production, a fusion of Chinese and Western aesthetic concepts, combined with advanced computer technology, was employed to enhance the spatial scenes in the film. This approach caters to the audience's psychological expectations for fictional films, resulting in powerful visual effects. 'Wandering Earth' represents a milestone in science fiction filmmaking, where film and television technology has reached a considerable level of development. As the snow-covered mountains slowly encroach on human habitable areas, people are forced to relocate to the suburbs, further diminishing the available living space. These scenes in the film highlight the film team's commitment to raising the artistic and professional standards of Chinese science fiction film production, introducing innovative ideas to the industry.

The development of sci-fi films relies on a strong scientific basis and advanced post-production technology. Only when these two aspects align can a sci-fi film attract an audience and earn a good reputation. "Wandering Earth," as a bold endeavor in Chinese science fiction cinema, has achieved widespread acclaim and popularity by blending technological innovation with local characteristics. This film has left a profound

mark on the history of Chinese science fiction cinema and significantly influenced its development. The success of "Wandering Earth" has propelled the continuous growth of Chinese cinema and instilled confidence in its future. Similarly, "Wandering Earth" has been a driving force in the development of Chinese science fiction films and has significantly expanded the market for cinematic science fiction.

The Outlook of Chinese Science Fiction Genre

There are "soft" and "hard" sci-fi films. "Hard sci-fi" describes the potential impact of new technologies on human society. In terms of creative techniques, it can be said that it is based on science and technology, with imagination as an auxiliary element. The main storyline focuses on the fantasy of scientific and technological progress itself, as seen in Christopher Nolan's "Interstellar" and Ridley Scott's "The Martian."

"Soft science fiction," on the other hand, centers more on humanities and life. The plot and themes are relatively concentrated on philosophy, psychology, sociology, and similar fields. The main difference between the two lies in the balance between science and technology and humanities.

"Wandering Earth" is obviously imbued with a "hard science fiction" essence, while "soft science fiction" films integrate science fiction elements into other mature genres. For example, "Mozart in Outer Space" and "Walking on the Moon" blend science fiction with comedy. "My Computer Talks" combines science fiction with urban romance, and "Dr. Invisible" intertwines science fiction, crime, and comedy genres. This approach helps to avoid the shortcomings of relying solely on plot and genre, reducing industry challenges and proving to be a prudent choice. Simultaneously, mature film genres come with an existing audience base and established standards of judgment, enhancing the film's chances of success.

"Hard science fiction" maintains a balance with a realistic foundation. As the term implies, the "reality-based" aspect encompasses the fundamental conditions of the current situation, including political, cultural, social, and other factors. Regarding the film itself, the social attributes necessitate that the creation must be rooted in reality. Chinese science fiction films should be grounded in the foundation of Chinese reality, forging a distinctive path with aesthetics unique to Chinese science fiction, diverging from Hollywood conventions. For instance, "Wandering Earth," which emotionally encapsulates family and national sentiments with distinct Chinese characteristics. The film portrays the collective spirit and the Chinese concept of family when facing adversity, exemplified by Liu Peiqiang's stoic father figure and the intergenerational dynamics, where grandchildren make mistakes yet yearn to align with Han Zion's grandfather figure. These elements precisely resonate with the aesthetic habits ingrained in China's culture. Strengthening the Chinese aesthetics of sci-fi films stands as the primary and paramount task in the creative process.

While China boasts a wealth of science fiction novels, the shortage lies in the scarcity of screenable science fiction films. This gap arises from the divergent aesthetics and concepts shaped by Hollywood, which differ from our country's own sensibilities. As popular consumer products, these films must seamlessly integrate themes, styles, characters, and narration with the "Chinese consciousness" to effectively propel the advancement of "hard sci-fi" in the country.

"Soft science fiction" is intricately woven into the fabric of reality, where "imagination" remains the fundamental criterion for evaluating sci-fi films. The aesthetic allure of sci-fi films primarily resides in the design and realization of virtual worlds, such as the interstellar realm and the future. This imaginative process, however, remains tethered to the integration of the foundation of reality. In "Moon Man," the imaginative depictions of future lunar chariots and space launchers are grounded in China's space technology, showcasing the fusion of Chinese science and film. Scholars categorize the aesthetics of imagination in "Moon Man" as medium-scene imagination, delving into "the possible future development of human beings."

Overall, with the buzz surrounding "Wandering Earth," Chinese sci-fi films seem to be on the right track. The genre now successfully incorporates both soft sci-fi and hard sci-fi themes, prompting contemplation. In just five years, Chinese sci-fi films have undergone a qualitative improvement. Looking ahead to the

future of the Chinese sci-fi film market, it requires a boost from more new films to further enrich and diversify the landscape.

Localized IP For Chinese Science Fiction Film

Creating IP-based series. The term "IP," originally emphasizing intellectual property rights, has evolved with the development of China's film and television industry. It has now become a widely accepted term, encompassing films, TV series, images, words, and more. In general, IP represents a recognizable commercial symbol for content with a dedicated consumer base. A successful IP can transition from mere content to a brand, ultimately establishing its unique cultural value and core competitiveness. IP is multifaceted, with its first facet being the quality of the content. High-quality content is essential for gaining recognition from consumers. The source of IP content is not limited, and its forms are diverse.

The second facet is the industrial chain, which can be broadly divided into three stages: pre-IP creation, mid-term film and television production, and late derivatives. Science fiction films' final release falls within the mid-term stage.

The last aspect is branding, which involves the integration of IP elements such as scripts, teams, characters, film companies, and more. For instance, "Happy Mahua" is synonymous with comedy. Currently, Hollywood leads the way in sci-fi film IP, while successful IP series in China have mostly revolved around culture and animation, with sci-fi receiving less prominence. It's essential to restore confidence in science fiction films and create super IPs like the "Outer Space Trilogy." In areas such as IP financing, production, distribution, screening, and derivative development, we can further expand influence and promote the growth of China's science fiction film industry.

The industrialization of production and manufacturing is crucial for the development of Chinese sci-fi films. The challenges facing Chinese sci-fi films stem from a variety of factors, primarily cultural traditions and industrial capabilities. To bridge the gap between imagination and the foundation of reality, we must address issues related to cultural traditions. Furthermore, exploring IP serialization in content creation and the industry is essential.

While there has been significant progress in Chinese sci-fi films since 2019, with the emergence of works like "Wandering Earth" and "Shanghai Fortress," the overall development of Chinese sci-fi films still lags behind the United States to a considerable extent. The primary reason for this gap is the relatively lower level of industrialization in China. This necessitates ongoing efforts in development and production, as well as the promotion of a virtuous circle of funding driven by excellent works.

It is also essential to reevaluate science fiction films from the perspective of the film industry's aesthetics. This involves not only respecting the demands of artistic quality and cultural identity but also meeting the technical standards and operational requirements of the film industry. Such an approach can drive the new development of science fiction films.

The Development Trend of Chinese Science Fiction Films

In recent years, Chinese sci-fi films have garnered widespread attention due to their remarkable box office performance and positive word-of-mouth, both domestically and internationally. So, what does the future hold for Chinese science fiction films?

First and foremost, the growth potential of China's science fiction film market is immense. China has emerged as the world's second-largest film market, and sci-fi films are among the genres with the highest commercial potential in the global film industry. As China's domestic market continues to expand and its technological capabilities improve, the future of Chinese sci-fi cinema appears promising.

Secondly, the themes and styles of Chinese science fiction films are poised to diversify. Presently, Chinese sci-fi cinema is largely dominated by hard sci-fi, exemplified by films like "Wandering Earth" and the

"Three-Body " series. However, in the future, there's reason to believe that Chinese science fiction films will explore a broader spectrum of subject matter and style. This expansion may encompass various sci-fi themes such as fantasy, superpowers, time travel, and more, ultimately appealing to a wider and more diverse audience. Regarding the theme, it's essential to distinguish Chinese sci-fi films from Hollywood's emphasis on individual heroism. As mentioned earlier, there should be a reinforced exploration of the theme of "the community of human destiny ." This core creative element embodies the theme of science fiction with Chinese characteristics, and in our future creations, we should delve even deeper into this concept.

Thirdly, Chinese science fiction films will place a stronger emphasis on innovation and quality. As the science fiction film market matures, audience expectations for film quality continue to rise. Looking ahead, Chinese sci-fi films will prioritize innovation and strive to break free from traditional sci-fi themes to craft more captivating and engaging narratives. Concurrently, there will be a heightened focus on improving production quality, enhancing visual effects, and refining sound effects to provide audiences with a superior viewing experience.

In conclusion, the future of Chinese science fiction films holds boundless potential. We anticipate a landscape featuring more diversified, innovative, and high-quality Chinese sci-fi films. Furthermore, the Chinese sci-fi film industry is set to increasingly focus on internationalization. While the popularity and influence of Chinese science fiction films in the international market currently have room for improvement, China's expanding film market and evolving industry create a compelling case for the future. Chinese sci-fi films are poised to actively explore the overseas market, exposing more international audiences to the allure of Chinese science fiction cinema. We look forward to a brighter and more promising tomorrow for Chinese science fiction films.

Conclusion

After more than half a century of struggling, Chinese science fiction films finally experienced a breakthrough in 2019 with "Wandering Earth," marking a new stage in their development. With this film as a starting point, Chinese sci-fi has ventured into a realm characterized by genre diversification and the localization of special effects, reflecting distinct Chinese characteristics.

Examining the storyline of the "Wandering Earth" series, it's evident that Chinese sci-fi films emphasize collectivism, a significant departure from Hollywood's focus on individual heroism. This reflects the concept of a community of human destiny. Chinese sci-fi should evolve in diverse ways, simultaneously developing both soft and hard sci-fi genres rather than being restricted to a single genre. The localization of post-production teams further imbues Chinese sci-fi films with distinctive Chinese characteristics. Chinese sci-fi films are progressing well, capitalizing on the success of "Wandering Earth." Expanding on this momentum, there should be increased efforts in the development of sci-fi-themed works. The fact that "Three Bodies" has been acquired by Netflix marks a significant leap forward for Chinese sci-fi in the global market.

Simultaneously, it's crucial to acknowledge the shortcomings of Chinese sci-fi films, including oversimplified subject matter, weakened storylines, and a lack of focus on sci-fi logic. Recognizing these issues is essential for future improvements. Despite these challenges, China's science fiction film industry has made significant strides. With a steadfast commitment to the correct creative direction, Chinese sci-fi films are poised for even greater breakthroughs in the future.

References

- Bruce Sterling, "Science Fiction," Britannica (Encyclopaedia Britannica, Inc., April 7, 2022), www.britannica.com/art/science-fiction.
- "Gernsback, Hugo," The Encyclopedia of Science Fiction (SF Encyclopedia, September 12, 2022), sf-encyclopedia.com/entry/gernsback_hugo.
- "The Hugo Awards," The Hugo Awards (World Science Fiction Society, November 30, 2017), www.thehugoawards.org/about/.

- “Gernsback, Hugo,” The Encyclopedia of Science Fiction (SF Encyclopedia, September 12, 2022), [sf-encyclopedia.com/entry/gernsback_hugo](https://encyclopedia.com/entry/gernsback_hugo).
- Xi Jinping (2014). On the promotion of building a community of human destiny. Central Literature Publishing House, vol.5, no.10, p.5-10.
- Mengmeng Wang. Opening a New Journey of Chinese Science Fiction Film Creation "The Wandering Earth". Academic Journal of Humanities & Social Sciences. Vol. 2, Issue 4: 57-62
- Vivian Sobchack (2015). Screening space: The American Science Fiction Film. New York: The Ungar Publishing Company Press, vol.11, no.22, p.52-59
- Grant. Science Fiction Film Writing (2015). World Book Beijing Publishing Company, vol.14, no.5, p.33-37.
- Zhou Yanwei. Nostalgia from the Future - The Logic of Making the Chinese Visual Effects Landscape of Wandering Earth. Journal of Beijing Film Academy, 2019(09):22-31.
- Pang Xiang wen. Trial Analysis of Film and Television Special Effects Technology in Cinematic Art--Taking Wandering Earth as an Example. Satellite TV and Broadband Multimedia, 2020(11):261-262.
- Xu Yanni , Mu Jun . Creating Chinese Visual Spectacle: An Analysis of Chinese Film Technology Theory in the Digital Era. of Chinese film technology theory [J]. Film Literature ,2019(3):26-30
- zhu Xiaojun. Vision and Dilemma of the Construction of "Film Industry Aesthetics"[J]. Journal of Beijing Film Academy,2022(04):121-128.
- Ouyang Junqi. Analysing the Development of China's Science Fiction IP from the Perspective of the Whole Industry Chain - Taking Wandering Earth as an Example[J]. Today's Media, 2020, 28(07): 113-115.
- Diao Jinuo. The Practice of Chinese Film Industrialisation in Comparative Perspective--Taking Science Fiction Films as an Example[J]. Sichuan Drama,2022(02):8-14.
- Jiang Baohong. National Rhetorical Strategies of Wandering Earth - A Community of Human Destiny Perspective[J]. Journal of Fuyang Normal College (Social Science Edition), 2019(06):37-41.