



Performance Report for: <https://www.artios.com/>

Report generated: Wed, Mar 13, 2024 3:00 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

D	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	51%	79%	2.7s	1.2s	0

Top Issues

Med-High	Avoid long main-thread tasks <small>TBT</small>	16 long tasks found
Med	Don't lazy load Largest Contentful Paint image <small>LCP</small>	LCP was lazy loaded
Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med	Serve static assets with an efficient cache policy	Potential savings of 2.53MB
Med	Avoid enormous network payloads <small>LCP</small>	Total size was 3.51MB

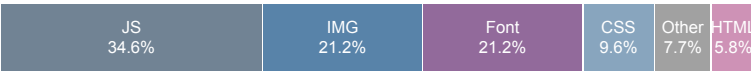
Page Details



Total Page Size - 3.50MB



Total Page Requests - 52



How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix



GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

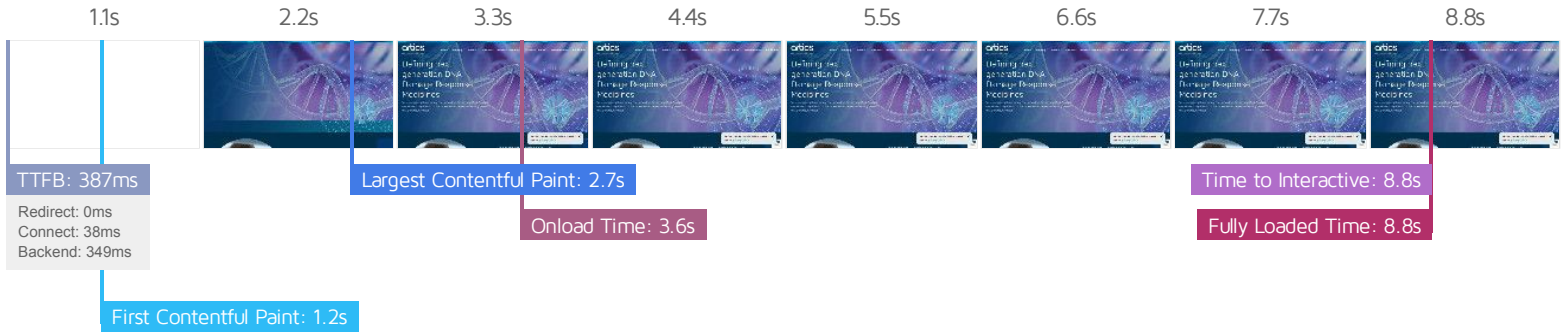
<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

DNA Damage Response | DDR Company | Artios Pharma

/	200	artios.com	11.6KB	387ms	
main_7e6572c8.css	200	artios.com	174KB	76ms	
jquery.min.js?ver=3.7.1	200	artios.com	85.5KB	81ms	
rubik-v14-latin-300_a7232...	200	artios.com	19.8KB	65ms	
rubik-v14-latin-300_528a4...	200	artios.com	15.5KB	37ms	
rubik-v14-latin-regular_b0...	200	artios.com	21.2KB	40ms	
rubik-v14-latin-regular_b8...	200	artios.com	16.7KB	38ms	
rubik-v14-latin-500_4e93c...	200	artios.com	21.5KB	37ms	
rubik-v14-latin-500_595f1...	200	artios.com	16.9KB	38ms	
artios-logo_54ea90ea.svg	200	artios.com	9.03KB	188ms	
pattern-shape.png	200	artios.com	133KB	213ms	
player.js	200	player.vimeo.com	11.9KB	327ms	
news-placeholder_198fa5...	200	artios.com	37.4KB	200ms	
style.min.css?ver=1.5	200	artios.com	216B	168ms	
footer_7e6572c8.css	200	artios.com	5.07KB	190ms	
script.js?ver=1.5	200	artios.com	1.57KB	191ms	
api.js?render=6Lcqopkm...	200	google.com	1.16KB	309ms	
main_7e6572c8.js	200	artios.com	1.41MB	398ms	
337306925?h=c9d88fbafe	200	player.vimeo.com	10.0KB	419ms	
horizontal-bg_3ec473f7.png	200	artios.com	38.9KB	43ms	
rubik-v14-latin-regular_b8...	200	artios.com	16.7KB	368ms	
rubik-v14-latin-500_595f1...	200	artios.com	16.9KB	367ms	
rubik-v14-latin-300_528a4...	200	artios.com	15.5KB	367ms	
artios-banner-1536x864.jpg	200	artios.com	145KB	137ms	
artios-DDR.png	200	artios.com	129KB	122ms	
ddr-image1.png	200	artios.com	175KB	136ms	
gtm.js?id=GTM-MJDPV8V	200	googletagmanager.c...	74.0KB	152ms	
recaptcha_en.js	200	gstatic.com	199KB	174ms	
player.module.js	200	f.vimeocdn.com	138KB	149ms	
vendor.module.js	200	f.vimeocdn.com	100KB	115ms	
player.css	200	f.vimeocdn.com	21.6KB	73ms	
784376703-8e178c30310f...	200	i.vimeocdn.com	619B	67ms	
vuid.min.js	200	f.vimeocdn.com	985B	17ms	
js?id=G-P5N112M65Q&I=...	200	googletagmanager.c...	93.1KB	59ms	
hotjar-2960538.js?sv=7	200	static.hotjar.com	4.03KB	72ms	
cast_sender.js?loadCastF...	200	gstatic.com	1.96KB	58ms	
784376703-8e178c30310f...	200	i.vimeocdn.com	5.78KB	8ms	
POST player-stats?beaco...	200	fresnel.vimeocdn.com	142B	145ms	
POST vuid?pid=8b2ea253...	204	vimeo.com	1.17KB	268ms	
anchor?ar=1&k=6Lcqopk...	200	google.com	29.1KB	126ms	
37197066_60x60	200	i.vimeocdn.com	1.60KB	21ms	
modules.a4fd7e5489291af...	200	script.hotjar.com	54.3KB	117ms	
cast_framework.js	200	gstatic.com	11.9KB	62ms	
cast_sender.js	200	gstatic.com	15.0KB	38ms	
styles_ltr.css	200	gstatic.com	24.1KB	63ms	
recaptcha_en.js	200	gstatic.com	199KB	95ms	
pVIYglCqg3wZ2JaY4kcbq...	200	google.com	7.14KB	11ms	
logo_48.png	200	gstatic.com	2.20KB	10ms	
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB	108ms	
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB	109ms	
webworker.js?hl=en&v=0...	200	google.com	135B	23ms	
favicon-32x32_f731f968.png	200	artios.com	341B	10ms	

52 Requests 3.50MB (7.61MB Uncompressed) Fully Loaded 8.8s (Onload 3.6s)



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Longer than recommended</p> <p>1.2s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Much longer than recommended</p> <p>8.8s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Longer than recommended</p> <p>1.8s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Much longer than recommended</p> <p>1.2s</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Much longer than recommended</p> <p>2.7s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	38ms	Backend	349ms
TTFB	387ms	First Paint	1.2s	DOM Int.	1.3s
DOM Loaded	1.4s	Onload	3.6s	Fully Loaded	8.8s

IMPACT AUDIT

Med-Low

Use a Content Delivery Network (CDN)

13 resources found

CDNs can give an equally fast web experience to your users across the globe.

URL

- https://www.artios.com/wp-content/themes/artios-g5/dist/styles/main_7e6572c8.css
- <https://www.artios.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1>
- https://www.artios.com/wp-content/themes/artios-g5/dist/images/artios-logo_54ea90ea.svg
- <https://www.artios.com/wp-content/uploads/2021/12/pattern-shape.png>
- https://www.artios.com/wp-content/themes/artios-g5/dist/images/news-placeholder_198fa59e.png
- <https://www.artios.com/wp-content/plugins/g5-cookie-bar/assets/css/style.min.css?ver=1.5>
- https://www.artios.com/wp-content/themes/artios-g5/dist/styles/footer_7e6572c8.css
- <https://www.artios.com/wp-content/plugins/g5-cookie-bar/assets/js/script.js?ver=1.5>
- https://www.artios.com/wp-content/themes/artios-g5/dist/scripts/main_7e6572c8.js
- https://www.artios.com/wp-content/themes/artios-g5/dist/images/horizontal-bg_3ec473f7.png
- <https://www.artios.com/wp-content/uploads/2022/03/artios-banner-1536x864.jpg>
- <https://www.artios.com/wp-content/uploads/2021/12/artios-DDR.png>
- <https://www.artios.com/wp-content/uploads/2021/12/ddr-image1.png>

Med-Low

Reduce JavaScript execution time TBT

2.1s spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	857ms	707ms	91ms
• https://www.artios.com/	726ms	26ms	15ms
• Unattributable	622ms	1ms	0ms
• https://www.artios.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	381ms	332ms	2ms
• https://www.googletagmanager.com/gtm.js?id=GTM-MJDPV8V	347ms	316ms	27ms
• https://script.hotjar.com/modules.a4fd7e5489291affcf56.js	210ms	161ms	19ms
• https://www.googletagmanager.com/gtag/js?id=G-P5N112M65Q&i=dataLayer&cx=c	206ms	197ms	4ms
• https://www.artios.com/wp-content/themes/artios-g5/dist/scripts/main_7e6572c8.js	134ms	81ms	38ms
• https://player.vimeo.com/api/player.js	57ms	27ms	1ms

Med-Low

Lazy load third-party resources with facades TBT

1 facade alternative available

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required.

PRODUCT	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
Vimeo Embedded Player (Video)	294KB	0ms
https://f.vimeocdn.com/p/4.28.17/js/player.module.js	139KB	0ms
https://f.vimeocdn.com/p/4.28.17/js/vendor.module.js	100KB	0ms
https://f.vimeocdn.com/p/4.28.17/css/player.css	21.9KB	0ms
https://player.vimeo.com/api/player.js	11.9KB	0ms
https://player.vimeo.com/video/337306925?h=c9d88fbafe	10.0KB	0ms
Other resources	11.1KB	0ms

Low

Allow back/forward cache restoration

1 failure reason

Many navigations are performed by going back to a previous page, or forwards again. The back/forward cache (bfcache) can speed up these return navigations.

FAILURE REASON

FAILURE TYPE

Pages that use WebXR are not currently eligible for back/forward cache.
<https://player.vimeo.com/video/337306925?h=c9d88fbafe>

Actionable

Low

Eliminate render-blocking resources FCP LCP

Potential savings of 35ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
https://www.artios.com/wp-content/themes/artios-g5/dist/styles/main_7e6572c8.css	174KB	1.5s
https://www.artios.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.7KB	308ms

Low

Avoid an excessive DOM size TBT

276 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		276
Maximum DOM Depth	https://www.novartis.co.uk/ 	11
Maximum Child Elements	body.home <body class="home page-template-default page page-id-2 app-data index-data singular-dat...">	20

Low

Enable text compression FCP LCP

Potential savings of 1.12MB

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/scripts/main_7e6572c8.js	1.41MB	944KB
https://www.artios.com/wp-content/themes/artios-g5/dist/styles/main_7e6572c8.css	174KB	145KB
https://www.artios.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.5KB	55.8KB
https://www.artios.com/wp-content/themes/artios-g5/dist/styles/footer_7e6572c8.css	5.07KB	3.55KB

Low **Properly size images** Potential savings of 193KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/uploads/2021/12/pattern-shape.png	133KB	81.0KB
https://www.artios.com/wp-content/uploads/2022/03/artios-banner-1536x864.jpg	145KB	49.1KB
https://www.artios.com/wp-content/themes/artios-g5/dist/images/news-placeholder_198fa59e.png	37.4KB	37.1KB
https://www.artios.com/wp-content/uploads/2021/12/artios-DDR.png	129KB	25.4KB

Low **Ensure text remains visible during webfont load** FCP LCP 3 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/fonts/rubik-v14-latin-regular_b8fd53c5.woff2	39ms
https://www.artios.com/wp-content/themes/artios-g5/dist/fonts/rubik-v14-latin-500_595f1a98.woff2	39ms
https://www.artios.com/wp-content/themes/artios-g5/dist/fonts/rubik-v14-latin-300_528a497d.woff2	39ms

Low **Reduce unused CSS** FCP LCP Potential savings of 159KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/styles/main_7e6572c8.css	174KB	159KB

Low **Serve images in next-gen formats** Potential savings of 290KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/uploads/2021/12/ddr-image1.png	175KB	140KB
https://www.artios.com/wp-content/uploads/2021/12/artios-DDR.png	129KB	89.1KB
https://www.artios.com/wp-content/uploads/2022/03/artios-banner-1536x864.jpg	145KB	60.9KB

Low **Reduce initial server response time** FCP LCP Root document took 348ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
https://www.artios.com/	348ms

Low

Defer offscreen images

Potential savings of 37.4KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/images/news-placeholder_198fa59e.png	37.4KB	37.4KB

Low

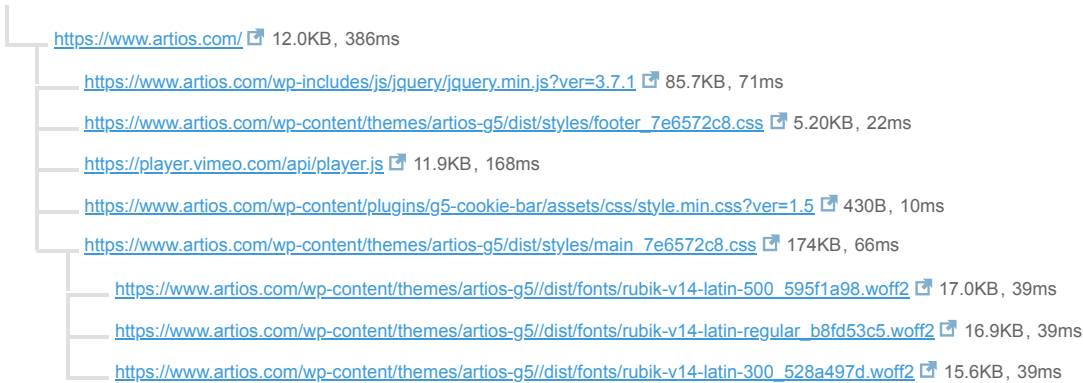
Avoid chaining critical requests FCP LCP

7 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **1.1s**

INITIAL NAVIGATION



Low

Reduce unused JavaScript LCP

Potential savings of 433KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/scripts/main_7e6572c8.js	1.41MB	158KB
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	199KB	108KB
https://www.artios.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.7KB	56.3KB
https://www.googletagmanager.com/gtag/js?id=G-P5N112M65Q&l=dataLayer&cx=c	93.3KB	40.0KB
https://script.hotjar.com/modules.a4fd7e5489291affcf56.js	54.8KB	37.0KB
https://www.googletagmanager.com/gtm.js?id=GTM-MJDPV8V	74.4KB	33.2KB

N/A

Largest Contentful Paint element LCP

2,660 ms

This is the largest contentful element painted within the viewport.

ELEMENT

artios header image

```

```


PHASE	% OF LCP	TIMING
TTFB	15%	388ms
Load Delay	21%	556ms
Load Time	5%	135ms
Render Delay	59%	1.6s

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 375B

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://www.artios.com/wp-content/themes/artios-g5/dist/scripts/main_7e6572c8.js Line:28 Column:2832	184B @babel/plugin-transform-classes
https://static.hotjar.com/c/hotjar-2960538.js?sv=7 Line:2 Column:921	78B @babel/plugin-transform-classes
https://script.hotjar.com/modules.a4fd7e5489291affcf56.js Line:1 Column:68485	59B @babel/plugin-transform-classes
https://player.vimeo.com/api/player.js Line:1 Column:7732	54B @babel/plugin-transform-classes

N/A **Avoid large layout shifts** CLS 1 element found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Home Company Science Pipeline Investors & Partners Careers & Culture News & Eve... <nav class="nav-primary">	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 3.6s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Script Evaluation	1.9s
Other	925ms
Style & Layout	403ms
Script Parsing & Compilation	205ms
Rendering	69ms
Parse HTML & CSS	61ms
Garbage Collection	47ms

N/A **Reduce the impact of third-party code** TBT Third-party code blocked the main thread for 628ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE CDN	454KB	282ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	398KB	282ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/styles_ltr.css	24.1KB	0ms
• Other resources	32.2KB	0ms
GOOGLE TAG MANAGER	168KB	272ms
• https://www.googletagmanager.com/gtag/js?id=G-P5N112M65Q&i=dataLayer&cx=c	93.3KB	143ms
• https://www.googletagmanager.com/gtm.js?id=GTM-MJDPV8V	74.4KB	128ms
HOTJAR	58.8KB	72ms
• https://script.hotjar.com/modules.a4fd7e5489291affcf56.js	54.8KB	72ms
• https://static.hotjar.com/c/hotjar-2960538.js?sv=7	4.03KB	0ms
VIMEO	294KB	0ms
• https://f.vimeocdn.com/p/4.28.17/js/player.module.js	139KB	0ms
• https://f.vimeocdn.com/p/4.28.17/js/vendor.module.js	100KB	0ms
• https://f.vimeocdn.com/p/4.28.17/css/player.css	21.9KB	0ms
• Other resources	33.0KB	0ms
OTHER GOOGLE APIS/SDKS	37.9KB	0ms
• https://www.google.com/recaptcha/api2/anchor?ar=1&k=6LcgqpkmAAAAAIM55DSnErDmNeKfktYoLIJs5pvE&co=aHR0cHM6Ly93d3cuYXJ0aW9zLmNvbTo0NDM.&hl=en&v=07g0mpPGukTo20VqKa8GbTSw&size=invisible&cb=I9b748ietmly	29.1KB	0ms
• https://www.google.com/js/bg/pVIYglCqg3wZ2JaY4kcbqn6HC1zR-NrcTdTDgQCFvk4.js	7.54KB	0ms
GOOGLE FONTS	30.8KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOmCngEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOICngEu92Fr1MmEU9fBBc4.woff2	15.3KB	0ms

N/A **User Timing marks and measures**

No user timings and/or marks found.